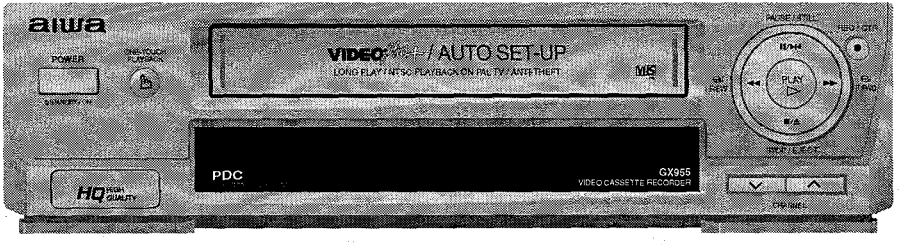
aiwa

Instruction Book & Quick Start



VIDEO Plus+® VHS PAL

HV-GX955K

Video Cassette Recorder

Safety Warnings

Please read before installation

If this VCR has been moved from a cold place to a warm place, DO NOT plug it in for 2-3 hours *(e.g. from a cold car boot to a warm room).*

There is a possibility that moisture may have condensed on the head drum of this VCR, this can cause damage to your VCR or any tapes played on it. To avoid damage please unpack your VCR and allow it to stand at room temperature for 2-3 hours before use. This will help any moisture evaporate and prevent unnecessary damage to your VCR.

INTERFERENCE

Interference – Do not place your VCR near appliances which may cause electromagnetic interference (i.e. TV, Hi-Fi speakers). If you do, it may adversely affect the working of the unit, causing the picture or sound to distort.

COVERS

Covers – Do not remove any fixed covers as this may expose dangerous voltages.

WEATHER

Weather – It is advisable to unplug the aerial during a thunderstorm.

VENTILATION

Ventilation – The ventilation holes on the casing of your VCR prevent it from over heating. Do not block or cover these holes - especially with cloth or paper. It is recommended you leave a 10 cm gap all around your VCR.

DAMAGE

Damage – Never use your VCR if it is damaged in any way. Always place your VCR on a flat level surface avoiding anywhere which may be subject to strong vibration.

BATTERIES

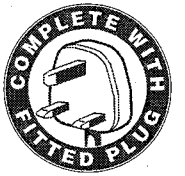
Batteries – Batteries are easily swallowed by young children. Do not allow young children to play with the remote control unit.

TEMPERATURE

Temperature – Avoid extreme temperature, either hot or cold, place your VCR well away from heat sources such as radiators or gas/electric fires.

MOISTURE

Moisture – Do not allow your VCR to be exposed to rain, moisture, dust. If any liquid is spilt into your VCR it can cause serious damage. If you spill any liquid into your VCR switch it off at the mains immediately. Contact your store immediately.



Warning

This appliance is supplied with a fitted three pin mains plug.
A 3 amp fuse is fitted in the plug. Should the fuse need to be replaced, use a 3 amp fuse approved by ASTA or BSI to BS 1362. When replacing the fuse, you must ensure that any removable fuse covers are correctly refitted.
If you should lose the fuse cover, please contact your nearest AIWA dealer.

DO NOT CUT OFF THE PLUG FROM THIS APPLIANCE

If the plug fitted is not suitable for the power points in your home, or the cable is too short to reach a power point, obtain an appropriate safety approved extension lead or adaptor. If in any doubt please consult a qualified electrician.
If the plug is cut off, remove the fuse and dispose of the plug immediately.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.

If a new plug is to be fitted please ensure it contains a 3 amp fuse, otherwise the circuit should be protected by a 5 amp fuse at the distribution board.

Please refer to the wiring instructions on page 57 of this book.

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VCR Features

Your AIWA HV-GX955 VCR has all the following features:

Automatic Set-up (AUTO SET-UP)

- Your VCR will automatically tune in all available channels and set the correct time and date.

VIDEO Plus+ system and PDC (Programme Delivery Control) system

- Your VCR features VIDEO Plus+ system, with VIDEO Plus+ system you simply enter the PlusCode from your TV listings for the programme you want to record and all the details are set automatically. Your VCR also features PDC which lets your VCR know when programmes are running early or late.

On Screen Display

- On screen display allows easy use of the functions you are likely to use during everyday playback and recording.

Timer Recordings

- The built in timer allows automatic unattended recording of up to 7 programmes within a 1 month period.

Standard (SP) and Long Play (LP)

- Your VCR is pre-set to standard play but you may extend the recording time of your video tapes by using the long play feature.

NTSC Playback on PAL TV

- Your VCR is designed to playback NTSC colour tape to a standard TV (PAL system). This means you can playback VCR tapes from USA or Japan.

Video Index Search System

- Video index search system automatically records marks on the tape whenever you start a recording. These marks are easily located so that you can go straight to your desired recording without having to keep stopping and viewing your tape.

Anti-Theft

- Your VCR includes a security PIN feature that protects your VCR from unauthorized use after being disconnected from the mains supply.

Automatic Tracking

- Your VCR automatically adjusts itself to give the best possible picture during playback.

How to use this Instruction Book

HELPLINE
Need help to install or operate? then please call AIWA on:
0870-168-9000
All calls are charged at the national rate

If you have any problems setting up your VCR, call the AIWA Helpline.

Our trained operators will be able to help you solve your problem.

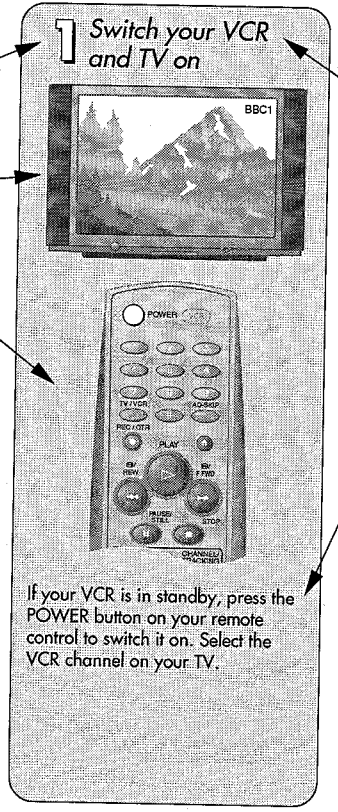
Please call the Helpline before returning a product to a Store.

All calls are charged at the national rate.

STEP NUMBER – Each page is broken down into simple steps.

WHAT YOU SEE – A picture of your TV screen or on-screen display.

WHAT TO PRESS – A picture of the remote control or the front of your VCR, showing you which buttons to press for the step, highlighted in white.

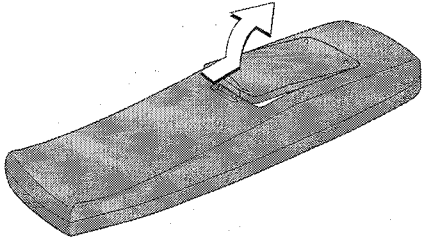

1 Switch your VCR and TV on
BBC1
POWER
PLAY
If your VCR is in standby, press the POWER button on your remote control to switch it on. Select the VCR channel on your TV.

STEP EXPLANATION – A brief explanation of the step.

INSTRUCTIONS – The instructions for the step in full.

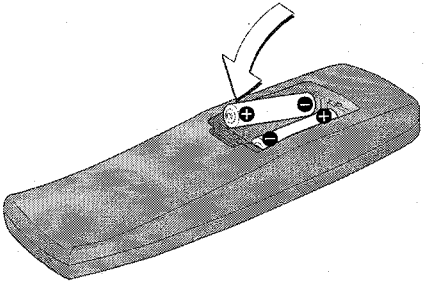
Putting Batteries into your Remote Control

1 *Remove battery cover*



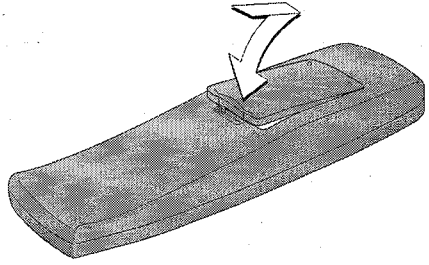
Carefully pull up and remove the BATTERY COVER from the back of your remote control.

2 *Insert batteries*



Insert two AAA / R03 / UM-4 size batteries into the battery compartment. Make sure they are inserted the correct way round.

3 *Replace battery cover*

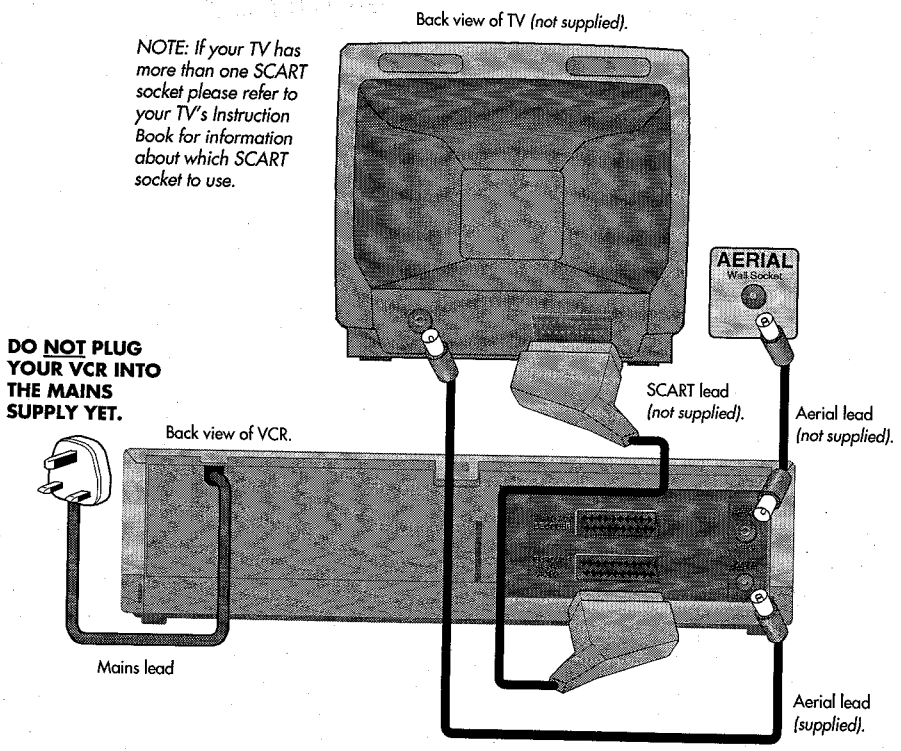


Attach the BATTERY COVER.

- Remote control operation may become erratic if direct sunlight, fluorescent lamp, standard household lamp (incandescent) or any other strong light source shines on the remote sensor on your VCR.
- Make sure there are no obstacles between your VCR and the remote control.
- Do not operate your VCR from a distance greater than 7 metres.
- Do not operate your VCR away from the normal viewing angle; over 30° either side of the remote sensor on your VCR.
- Use two AAA/R03/UM-4 size batteries for the remote control.
- The batteries may last approximately one year depending on how much the remote control is used. For best performance it is recommended batteries are replaced every year, or when remote control operation becomes erratic.
- Do not mix old and new batteries or different types.
- Weak batteries can leak and severely damage your remote control. Always remove batteries when they become weak, or if your VCR is not to be used for a long time.

Connecting your VCR to a TV

**We recommend connecting your VCR to your TV using a SCART lead AND a normal aerial lead.
If you connect using a SCART lead you will find it easier to set-up your VCR,
you will also benefit from improved picture quality playback from your VCR.
We recommend all connections are made with both your VCR and TV unplugged from the mains supply.**


Back view of TV (not supplied).
NOTE: If your TV has more than one SCART socket please refer to your TV's Instruction Book for information about which SCART socket to use.
AERIAL
Wall Socket
DO NOT PLUG YOUR VCR INTO THE MAINS SUPPLY YET.
SCART lead (not supplied).
Aerial lead (not supplied).
Back view of VCR.
Mains lead
Aerial lead (supplied).

Advice

- If you use a cable service then connect the aerial lead to your cable box instead of your main aerial wall socket.
(Consult your cable box instructions for more details)
- The type of household aerial required depends on the position of your home, it's distance from the transmitter and local interference. If you do not have a household aerial and you are uncertain of what to buy, you should seek the advice of a local aerial contractor.

HELPLINE
Need help to install or operate? then please call AIWA on:
0870-168-9000
All calls are charged at the national rate

Basic VCR Installation

This page shows the most basic way to connect your VCR to your TV if you do not have a SCART lead or SCART socket on your TV.
We recommend you connect your VCR to your TV using a SCART lead (see the previous page).
We recommend all connections must be made with both your VCR and TV unplugged from the mains supply.

Advice

- Before you can use your VCR, it must be connected to your TV using an aerial lead. You must also connect your VCR to your household aerial.
- The type of household aerial required depends on the position of your home, it's distance from the transmitter and local interference. If you do not have a household aerial and you are uncertain of what to buy, you should seek the advice of a local aerial contractor.
- If you use a cable service then connect the aerial lead to your cable box instead of your main aerial wall socket.
(Consult your cable box instructions for more details)

HELPLINE
Need help to install or operate? then please call AIWA on:
0870-168-9000
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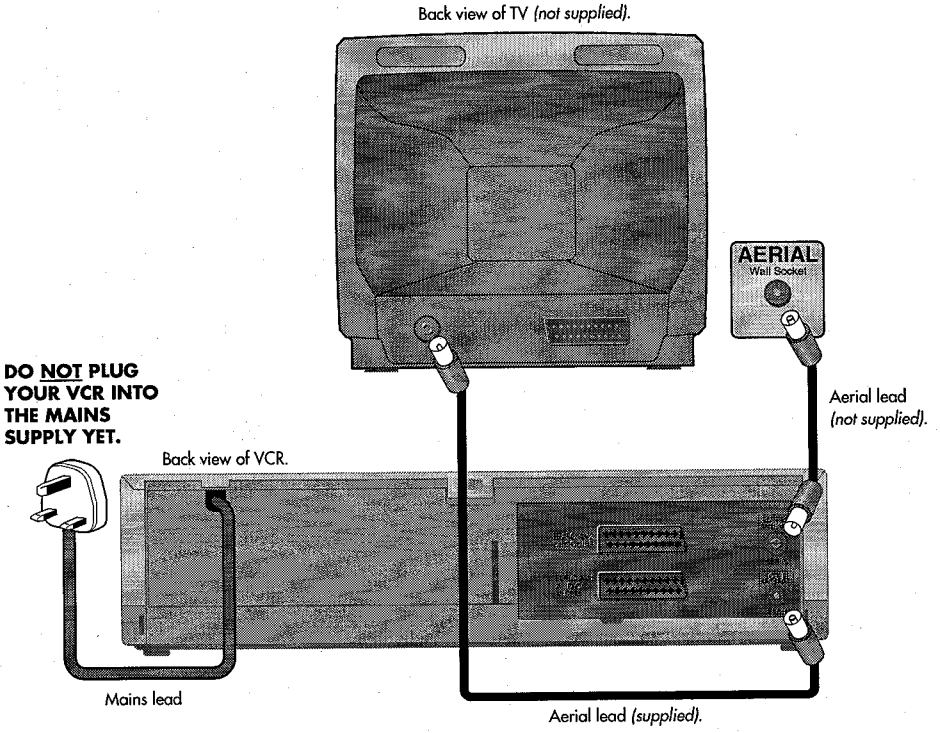
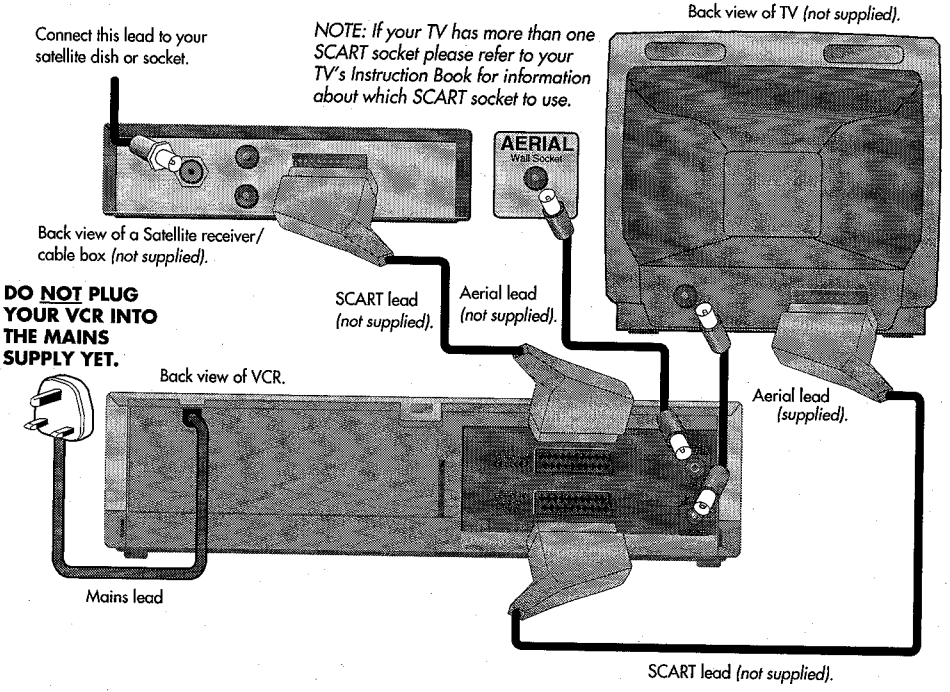

Back view of TV (not supplied).
AERIAL
Wall Socket
DO NOT PLUG YOUR VCR INTO THE MAINS SUPPLY YET.
Aerial lead (not supplied).
Back view of VCR.
Mains lead
Aerial lead (supplied).

Connecting your VCR to a TV and Satellite Receiver/Cable Box

If you are connecting your VCR to a TV and a Satellite receiver/cable box and you only have a single scart socket on your TV and Satellite receiver/cable box we recommend you connect your equipment as shown below. Please consult your Satellite receiver/cable box instruction book for more connection options. We recommend all connections are made with both your VCR, TV and Satellite receiver/cable box unplugged from the mains supply.


Connect this lead to your satellite dish or socket.
NOTE: If your TV has more than one SCART socket please refer to your TV's Instruction Book for information about which SCART socket to use.
Back view of TV (not supplied).
AERIAL
Wall Socket
Back view of a Satellite receiver/ cable box (not supplied).
DO NOT PLUG YOUR VCR INTO THE MAINS SUPPLY YET.
SCART lead (not supplied).
Aerial lead (not supplied).
Back view of VCR.
Aerial lead (supplied).
Mains lead
SCART lead (not supplied).

Advice

- Before you can use your VCR, it must be connected to your TV using an aerial lead. You must also connect your VCR to your household aerial.
- You can connect your VCR to a TV and a Satellite receiver using the SCART leads.
- If you use a cable service then connect the aerial lead to your cable box instead of your main aerial wall socket.
  (Consult your cable decoder box instructions for more details)

HELPLINE
Need help to install or operate? then please call ARWA on:
0870-168-9000
All calls are charged at the national rate

Automatic SET-UP

MAKE SURE YOUR VCR IS FULLY INSTALLED (pages 7-9)
YOU MUST FOLLOW THE INSTRUCTIONS ON THESE PAGES CAREFULLY TO MAKE SURE YOUR VCR IS INSTALLED CORRECTLY.
YOUR VCR WILL NOT FUNCTION PROPERLY UNTIL AUTO SET-UP HAS BEEN COMPLETED.

What is Auto Set-up

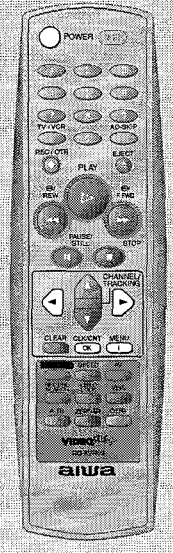
- The AUTO SET-UP feature makes installing your VCR easy. It automatically searches and tunes all available TV Stations and stores them in the correct order in your VCR, it then sets the correct time and date.
- Even if the power supply is interrupted, the VCR will automatically receive the preset channels and set the clock when the power is restored once you have completed AUTO SET-UP.

This function does not operate if the TV station is not broadcasting when the power is restored.

- The VCR automatically adjusts the clock for Daylight Saving Time once you completed AUTO SET-UP.
- Once you conduct Auto Set-Up, the previous settings will be cancelled.

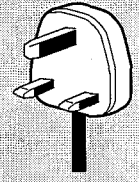
HELPLINE
Need help to install or operate? then please call AIWA on:
0870-168-9000
All calls are charged at the national rate

Buttons to be used in the following steps



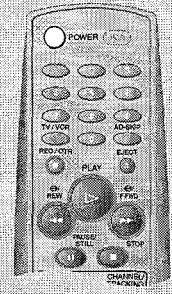
1 *Plug your VCR into a mains socket*

Make sure you have fully installed your VCR (pages 7-9) and that an aerial lead is connected from your household aerial or cable box (if you subscribe to a cable service).



Plug your VCR into a mains socket.

2 *Turn on the VCR*



Press the POWER button to turn on the VCR.

3a *If you connected your VCR to your TV with a SCART and aerial lead...*

Turn on your TV and set the TV to the channel called AV or AUX.

When you turn the VCR on for the first time after unpacking the VCR, the ACMS screen will appear. Go to step 7.

3b *If you connected your VCR to your TV using just an aerial lead...*

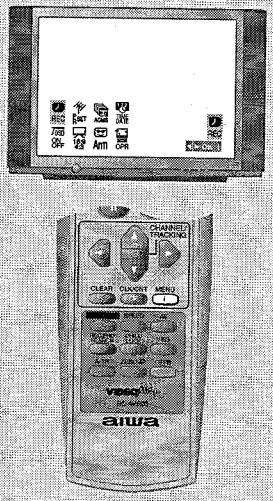
Turn on your TV and select an unused channel position on your TV to use as your VCR channel (for watching your VCR).

Tune in the channel you have selected on your TV until the blue screen appears clearly on your TV.

Consult your TV's Instruction Book for details about tuning your TV.

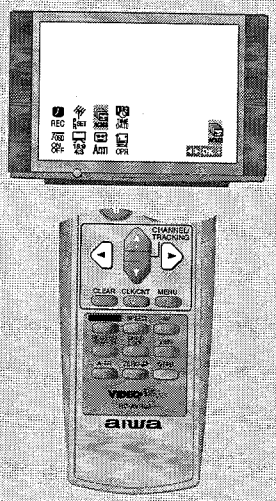
When you turn the VCR on for the first time after unpacking the VCR, the ACMS screen will appear. Go to step 7.

4 *Select the MAIN menu*



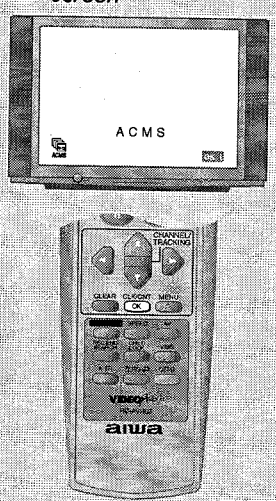
Press i/MENU; the main menu will appear.

5 *Select ACMS*



Press ◀ or ▶ to select ACMS.

6 *Show the ACMS screen*



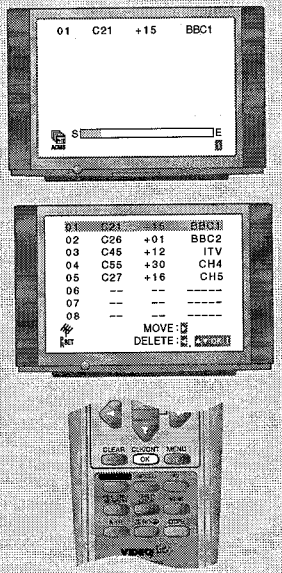
Press OK.

The ACMS screen will appear.

(continued)

Automatic SET-UP (continued)

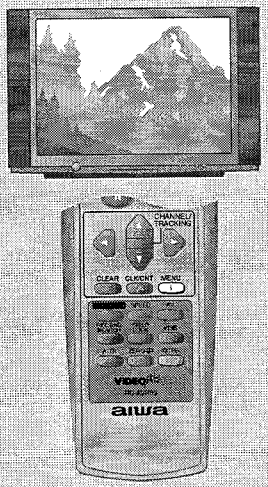
7 AUTO SET-UP



Press OK.

Your VCR is now automatically tuning in all available TV stations and setting the correct time and date.

8 Return to the normal screen



Press i/MENU to remove the on screen display.

9 AUTO SET-UP is complete

Your VCR is now fully installed and ready for use. The current time will appear in the VCR display window

If you connected your VCR to your TV with a SCART and aerial lead, select the AV (or AUX) channel on your TV when you want to view your VCR. Some TVs will automatically switch to display your VCR when you switch it on and go back to a normal TV channel when the VCR is switched off.

If you connected your VCR to your TV using just an aerial, select the channel you chose as your VCR channel on your TV when you want to view your VCR.
Select this TV channel every time you wish to use your VCR.

If the AUTO SET-UP is not successful

The AUTO SET-UP feature may not tune in all the stations you desire. In this case, you can set the VCR channels manually. See page 46.

If the reception signal is weak, the clock may not be set. ("– – : – –" will appear in the VCR display window.) In this case, you can set the clock manually. See page 44.

Checking Tuner Set-up

In certain areas of the country the AUTO SET-UP feature may not tune all the stations in the correct order. Before VIDEO Plus+ system recordings will work properly BBC1 must be stored in channel 1, BBC2 in channel 2, ITV in channel 3 etc. If your order is different or you are having problems with VIDEO Plus+ system recordings, follow the instructions below.

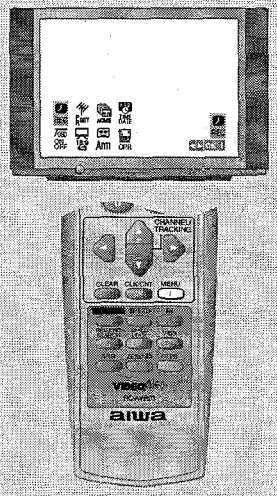
Tuner Set-up

- In order for VIDEO Plus+ system to work correctly your TV Station must be in the positions in the table below. Only follow the guidance on these pages if the order is different.

VCR Channel	Station
PR-01	BBC1
PR-02	BBC2
PR-03	ITV
PR-04	Channel 4
PR-05	Channel 5

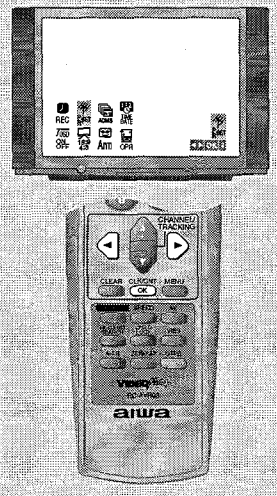
- See page 26 for more details on VIDEO Plus+ system.

1 Select the MAIN menu



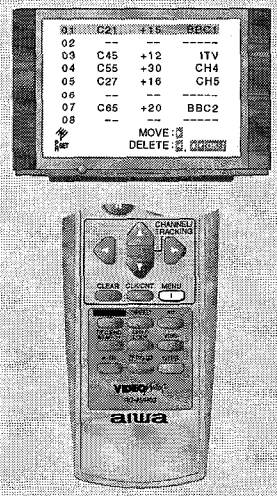
Press i/MENU; the main menu will appear.

2 Select PR SET



Press ◀ or ▶ to select PR SET, then press OK.

3 Display the VCR channel list

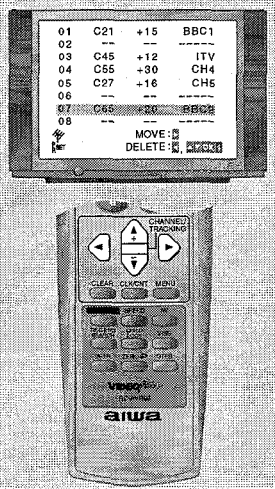


Press i/MENU; the VCR channel list will appear.

(continued)

Checking Tuner Set-up (continued)

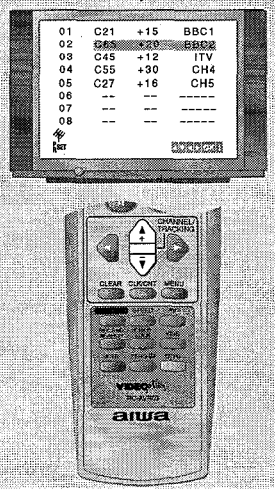
4 *Select the TV station*



Press ▲ or ▼ to select the TV station you want to reassign, then press ▶.

(If you want to erase an unnecessary TV station, press ◀.)

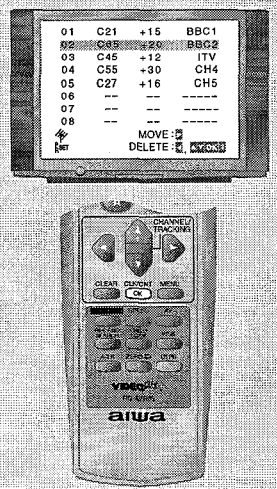
5 *Select the correct channel position*



Press ▲ or ▼ to select the correct channel position.

If you assign a channel position number which has already been assigned to another TV station, the channel position numbers for those two stations will be exchanged.

6 *Store your setting*

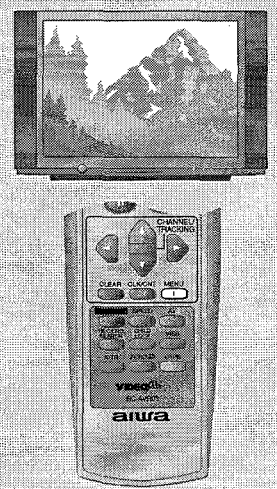


Press OK.

The channel position of TV station is reassigned.

If you want to reassign another TV station, repeat steps 4 through 6.

7 *Return to the normal screen.*



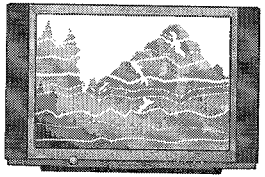
Press i/MENU to remove the on screen display.

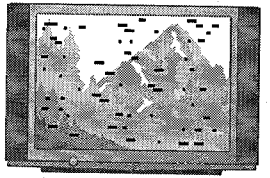
Removing Interference

Only follow the instructions on this page if you notice interference on your TV screen when watching TV Stations on your VCR. If you have connected your VCR to your TV using a SCART lead you can ignore this page.

Interference

This interference can be due to another TV Station (will appear as a shaky picture or as lines across the screen) or a digital signal (will appear as speckles on the screen).

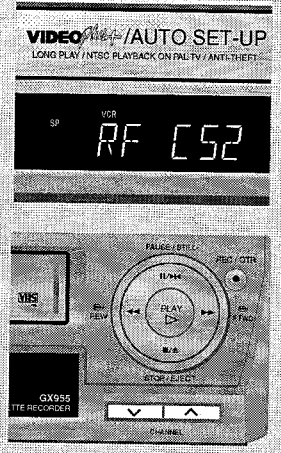




Both types of interference are easy to remove if you follow the advice on this page.

- If "RF C52" does not appear in step 1, the VCR is in power saving mode. Turn on the VCR, and press POWER on the remote control to turn the VCR off. Then perform from step 1.

1 Select the VCR output channel

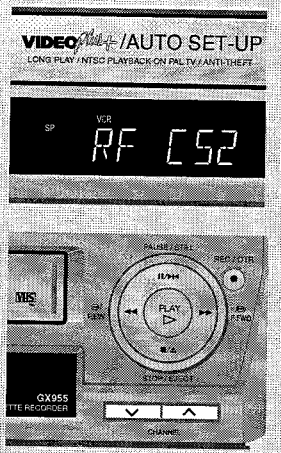


Make sure your VCR is turned off.

PRESS and HOLD the CHANNEL ∧ and ∨ buttons on the VCR together for more than 4 seconds.

"RF C52" appears in the VCR display window.

2 Try changing the output number

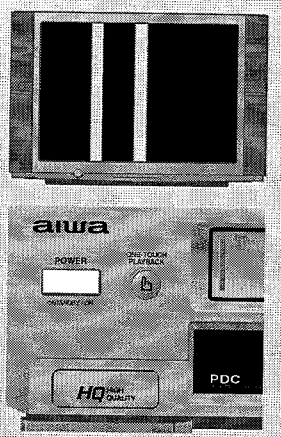


Press the CHANNEL ∧ or ∨ button on the VCR to change the number.

You can select any number between 22 and 68.

We recommend you try to select one of the numbers, 52, 67, 57 and 22.

3 Tune the TV



Tune the TV so that the black and white test pattern appears clearly on the TV screen.

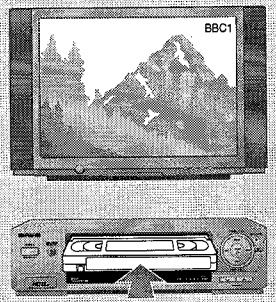
If the black and white test pattern is still not clear
-try changing the number again (see step 2) and re-tune your TV until the test pattern is clear or
-connect the VCR to the TV using a SCART lead

Press POWER to turn the VCR off.

Playing a Video (VCR) Tape

Only use PAL VHS video cassette tapes (or NTSC VHS video cassette tapes for playback only).

1 Switch your VCR and TV on



Insert a video tape.

The VCR is automatically switched on.

Switch your TV on and select the VCR channel on your TV (e.g. AV or a VCR output channel)

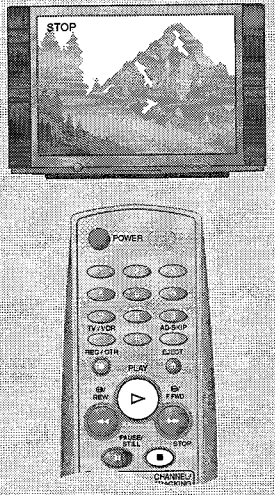
If you insert a pre-recorded video tape with the record protection tab removed (for example a rented or bought tape) your VCR will start to play automatically.

2 Start playing a tape

If playback does not start automatically, press the PLAY button.

Your VCR adjusts the tracking automatically. However, you may need to adjust the tracking manually if the tape quality is too poor. See page 43.

3 Stop playing a tape

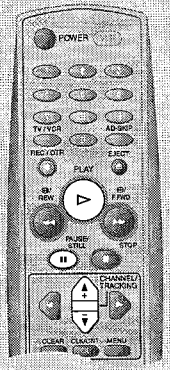


Press STOP to stop playing a video tape.

The TV Station currently selected on your VCR will be displayed on your TV.

Press PLAY again to resume playback.

Pausing playback



Press PAUSE/STILL while a tape is playing to view a still picture. The sound will be muted.

Noise lines may appear or colour may fade during still.

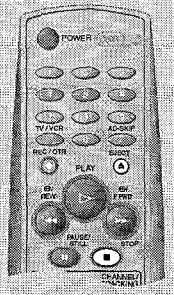
You can adjust unstable pictures during still by pressing TRACKING + or – repeatedly.

The pause feature will automatically change to stop after 5 minutes to avoid stretching your tape.

Press PLAY to resume playback.

If you do not press the STOP button, the tape will continue until it reaches the end. The auto rewind facility will automatically rewind the tape to the beginning, your VCR will then automatically eject the tape and turn off into standby.

Ejecting the tape

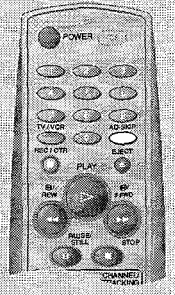


Press STOP to stop playback.

Press EJECT and the tape will eject from the VCR.

If you press EJECT while the power off, your VCR automatically turns the power on, ejects the cassette, and turns the power off.

Skipping an advertisement



Press AD-SKIP during playback.

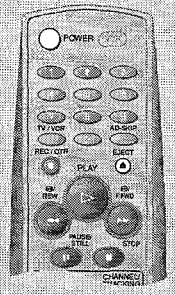
The VCR searches forward approximately 30 seconds of the recorded time.

Each press changes the recorded time of forward search in 30 seconds increments to a maximum of 3 minutes.

After forward search, VCR returns to the normal playback.

During AD-SKIP, the counter does not register blank portions with no recorded signal.

Auto Turn off after rewinding



Press POWER while the tape is rewinding.

"REW" flashes on the TV screen.

When the VCR rewinds the tape to the beginning, the VCR power is turned off.

(continued)

HELPLINE
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Playing a Video (VCR) Tape (continued)

Selecting the aspect ratio

Connect your VCR to your TV using a SCART lead to use this function.

Normally set to 4:3 (normal aspect ratio format). However, you can record and playback 16:9 wide aspect ratio programmes.

The programmes can be watched in 16:9 only with a wide-screen TV.

1 Select the MAIN menu
Press i/MENU, the main menu will appear.

2 Select 16:9/4:3
Press ◀ or ▶ to select 16:9/4:3, then press OK.

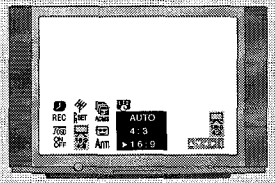
3 Select the aspect ratio
Press ▲ or ▼ to select the aspect ratio.

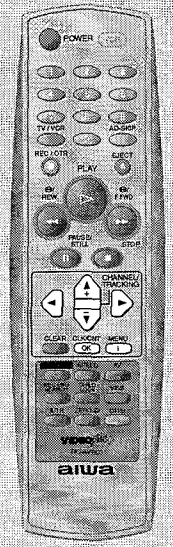
AUTO: To playback the wide screen programmes as wide, and to playback the normal programmes as normal.

4:3: To record or playback in normal format.

16:9: To record or playback in wide-screen format.

4 Return to the normal screen
Press i/MENU to remove the on screen display.





Playing NTSC tapes on your VCR

Your VCR can playback video tapes recorded using the NTSC colour system (TV system usually used in USA and JAPAN) on a PAL I TV (TV system used in the UK).

Play an NTSC tape as you would a normal VHS tape.

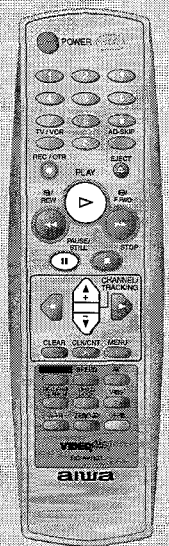
- Depending on the tape, following may occur during playback:
  - The picture may shrink vertically to some degree.
  - The picture may scroll vertically. If your TV has a V-HOLD control, you can adjust it to get a stable picture.
  - Noise lines may appear or colour may fade during forward and reverse searches, and still.
  - The picture quality and sound are deteriorated, and auto tracking does not function properly.
- You cannot dub an NTSC tape with a PAL system VCR.
- If your TV supports the NTSC system, the picture from your VCR will fill the whole screen, if not, the picture will have a black band at the top and bottom of the screen.

Playing frame-by-frame

Press PAUSE/STILL during playback. Then press PAUSE/STILL repeatedly. The tape advances frame-by-frame.

To return to normal playback, press PLAY.

Noise lines may appear or colour may fade when the tape plays frame-by-frame.



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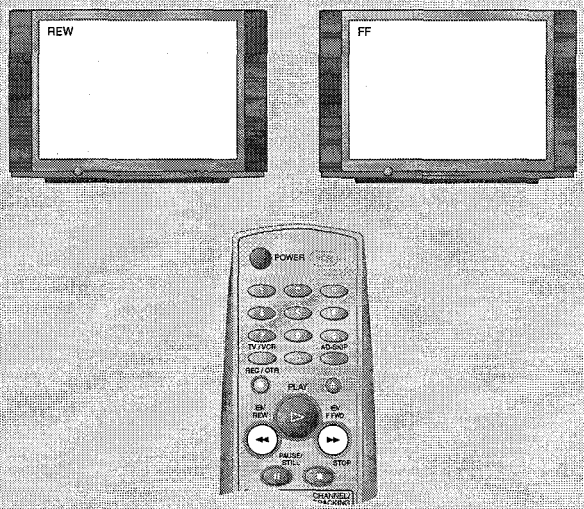
Rewind (REW) and Fast Forward (F FWD)

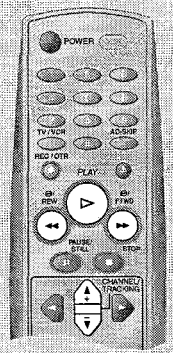
You can wind forwards or backwards through a cassette tape.
With the picture search feature you can also wind forwards or backwards with the picture on the screen.
During picture search the sound will be muted and white lines will appear across the screen.

Rewind (REW) and Fast Forward (F FWD)



To rapidly wind the tape backwards or forwards, press REW or F FWD when a tape is NOT playing.

Picture search



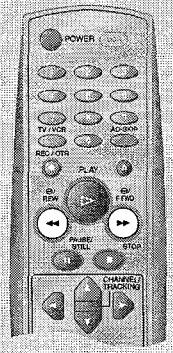
To rewind or fast forward the tape with the tape's picture on your TV screen, press PLAY then either REW or F FWD momentarily.

To return to the original mode, press PLAY.

Noise lines may appear or colour may fade during picture search. You can move the noise lines by pressing TRACKING + or – repeatedly.

Picture search will automatically change to playback after 3 minutes to avoid stretching your tape.

Skip-search



To watch the picture of a tape while the tape is winding backwards or forwards, press REW or F FWD then press and hold either REW or F FWD.

To return to the original mode, release the button.

Rec. End Search

You can wind the tape forwards or backwards and stop it at the end of the recorded programme automatically.

1 *Start searching*

Press REC. END SEARCH when a tape is NOT playing.

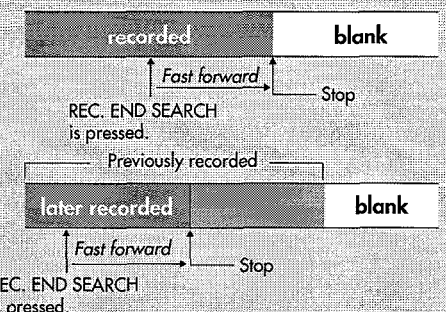
The VCR starts searching.

The VCR winds the tape forwards or backwards, then stops searching automatically.

To stop Rec. End Search, press STOP.

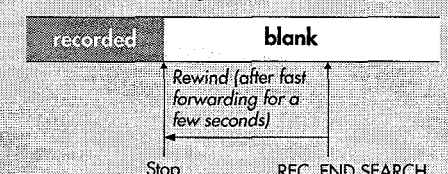
Fast forward

When REC. END SEARCH is pressed at the recorded portion, the tape fast forwards and stops at the end of recorded programme.



Rewind

When REC. END SEARCH is pressed at the blank portion, the tape rewinds and stops at the end of the recorded programme.



Rec. End Search

- When the tape does not have blank space, searching stops at the end of the tape.
- If a recorded portion left is less than 5 minutes in SP mode, 10 minutes in LP mode or 15 minutes in EP mode when REC. END SEARCH is pressed, this function does not work correctly.
- If a tape has been recorded in a different tape speed, Rec. End Search does not work correctly.

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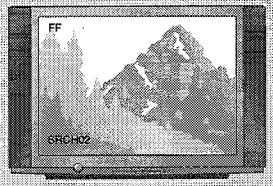
Video Index Search System

The Video Index Search System allows you to easily locate the beginning of any recording made on your VCR. Your VCR automatically records index marks on the tape whenever a recording is started.

Index Search



Press VISS during stop or playback.

"VISS00" appears in the VCR display window and on the TV screen.

Press the number buttons to select the index number.

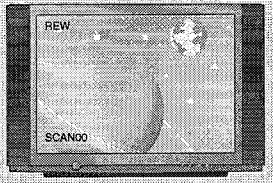
When selecting the number less than 10, press 0 then 1 through 9.

Press F FWD (for succeeding programmes) or REW (for preceding programmes).

The VCR starts searching.

Playback starts automatically when the index position is found.

Index Scan

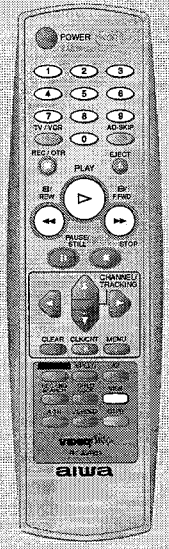


To search to the next index position use Index Scan function.

Press VISS during stop or playback, then press F FWD or REW.

When the next index signal is found, playback starts automatically. After a few seconds the VCR goes to fast forward or rewind.

Press PLAY at the desired point.



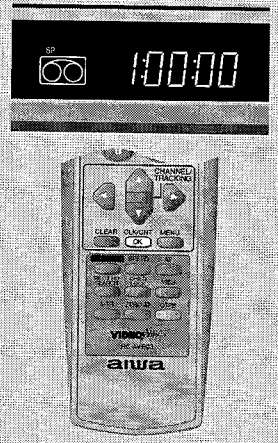
Video Indexing

- The Video Index Search system will only work once several recordings have been made on a VCR tape.
- Occasionally, when recording starts at the very beginning of a VCR tape the index mark may be missed.
- A maximum of 99 index marks can be searched on a single VCR tape.
- Index signals should be at least 1 minute apart in SP mode, 2 minutes apart in LP mode and 3 minutes apart in EP (NTSC only) mode. Otherwise, the VCR cannot find them properly.
- Index number may not be found on damaged or worn out tapes.
- Index number may not be found if it is extremely close to the point where the search began.

Clock/Counter Display and Zero Return

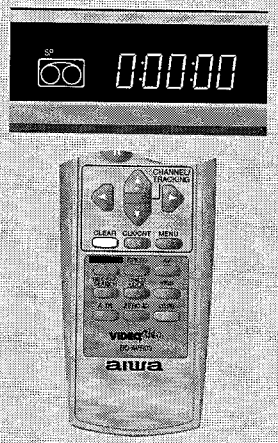
Your VCR has a counter which can display the actual amount of time (in seconds) that a VCR tape has been playing. The Zero return feature allows you to set the counter to 0:00:00 at any point in the tape and then rewind and start playing from that point when you press the ZERO ⊃ button. This feature is useful for returning to a point in a tape you wish to view again.

1 *Show the counter display*



Press CLK/CNT repeatedly until the counter appears.

2 *Reset the counter*

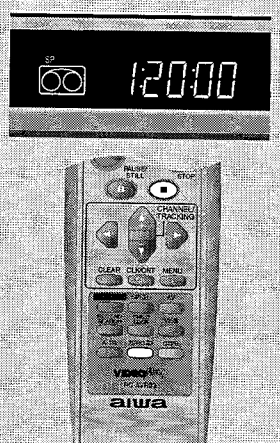


Press CLEAR at the point you wish to view later. The counter resets to 0:00:00.

When you load a tape the counter will reset.

The tape counter does not work while playing unrecorded portions of the tape.

3 *Zero return*



After playback or recording, press STOP then ZERO ⊃.

The tape will automatically rewind or fast forward until the counter reaches 0:00:00, and stop.

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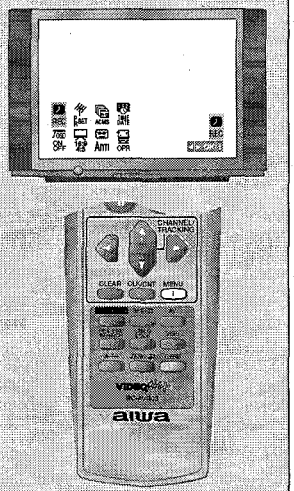
Improving the Picture Quality

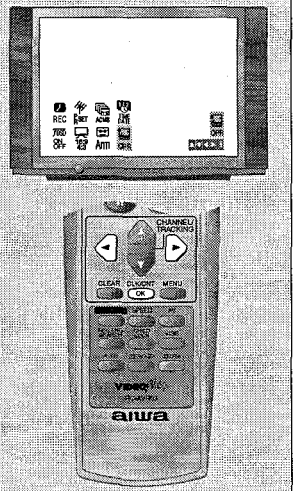
OPR (Optimum Picture Response) function makes the playback picture sharper or softer.

1 Select the MAIN menu



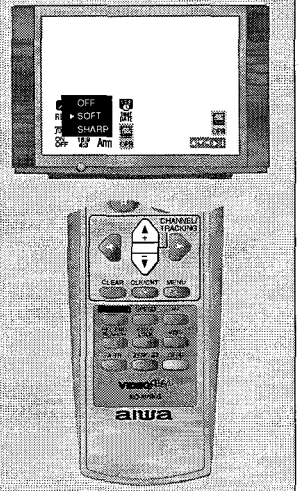
Press i/MENU during playback; the main menu will appear.

2 Select OPR



Press ◀ or ▶ to select OPR, then press OK.

3 Set picture quality



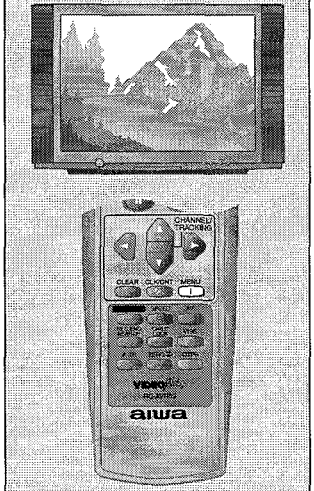
Press ▲ or ▼ to select the desired setting.

OFF: deactivates the function

SOFT: makes the picture softer

SHARP: makes the picture sharper

4 Return to the normal screen



Press i/MENU to remove the on screen display.

The OPR function is automatically set to OFF when a tape is ejected or the power is turned off.

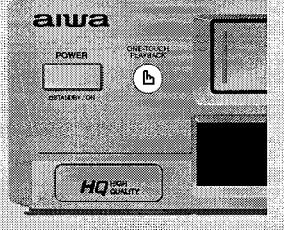
One-Touch Playback (OTPB)

With the One-Touch Playback feature you can make playing back the portion you just recorded quickly and easily. For using the One-Touch Playback feature, you must make a recording for more than 30 seconds.

One-Touch Playback

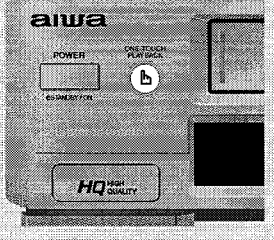
Using One-Touch Playback after VIDEO Plus+ system (page 30) or timer (page 33) is convenient. You can make timer recordings and playback only the portion you just recorded with the timer by pressing a single button later.

1 *Check the ONE-TOUCH PLAYBACK on the VCR lights*



If any operation button is pressed after recording, ONE-TOUCH PLAYBACK goes off. This means the One-Touch Playback is cancelled.

2 *Start playback*



Press ONE-TOUCH PLAYBACK on the VCR or OTPB on the remote control.

The tape rewinds to the start of the recorded portion and begins playback.

When you set the timer for more than two timer programmes

The VCR starts playing back from the earliest one when you use One-Touch Playback.

To find the beginning of the second (or later) programme, use Index Search. (See page 22.)

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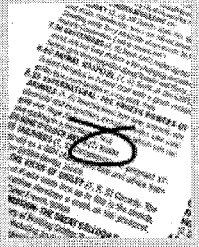
What are VIDEO Plus+® System and PDC?

Please read this guidance if VIDEO Plus+ system or PDC are new to you before making a VIDEO Plus+ system or Timer recording.

What is VIDEO Plus+ system ?

• Your VCR is equipped with VIDEO Plus+ system. This recording system makes programming a timer recording much easier.



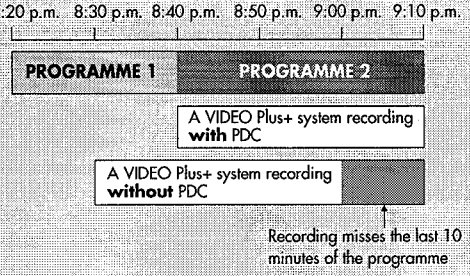
Simply enter the VIDEO Plus+ PlusCode (the long number after each programme in your TV listings) and the correct start time, end time, channel and date for your recording will be set automatically. For full details of making a VIDEO Plus+ system recording, turn to pages 30-32.

• In order for VIDEO Plus+ system to work correctly the channels in your VCR must be stored in the following order. The Auto Set-up process will store your channels in this order in most cases and you should not need to change them manually.
See page 13 to change channel order.

VCR Channel	Station
PR-01	BBC1
PR-02	BBC2
PR-03	ITV
PR-04	Channel 4
PR-05	Channel 5

What is PDC ?

• PDC stands for Programme Delivery Control system. A PDC signal is broadcast at the beginning and end of most TV programmes. This lets your VCR know if a TV programme is running early or late.



• If you switch PDC on then a recording will not start until your VCR receives the PDC signal, for example, you have set a VIDEO Plus+ system recording to start at 8:30 p.m. until 9:00 p.m. on BBC2. The programme before overruns and does not finish until 8:40 p.m. Without PDC your recording would have started at 8:30 p.m. as programmed and ended at 9:00 p.m., you would have missed the last 10 minutes of your programme.

With PDC on your VCR will wait until the PDC signal is received and then start recording, therefore your recording starts at 8:40 p.m. and ends at 9:10 p.m. - you don't miss anything!

• The factory setting for this feature is off, before turning this feature on you must be certain that the TV station you wish to record is broadcasting the PDC signals. If these signals are not being broadcast, PDC will not function, and your recording will fail to take place.

• For more information on making a PDC recording please turn to pages 30-31 and 33-35. When programming a Timer Recording you must set the start and end times exactly as they are shown in your TV listings if PDC is set to on.

Recording a TV programme

Information

- Your VCR can record in Standard play (SP) or Long play (LP). When you record in SP a 3 hour tape will be able to record 3 hours of programmes. When you record in LP a 3 hour tape will be able to record 6 hours of programmes.

You may notice a slightly lower quality of recording in LP mode.

- If the record protection tab has been removed from a tape or you try to record onto a bought or rented tape, the tape will eject when you press the REC/OTR button.

- When you want to watch another TV programme while recording, set your TV to TV mode and select another channel position on the TV. If the TV cannot be switched to TV mode, press TV/VCR to turn off "VCR" in the VCR display window.

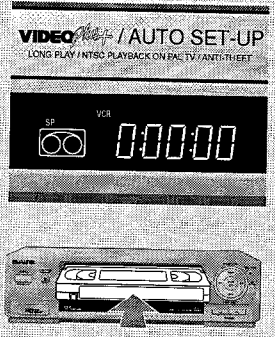
HELPLINE

Need help to install or operate this product, call AIWA on:

0870-168-9000

All calls are charged at the national rate

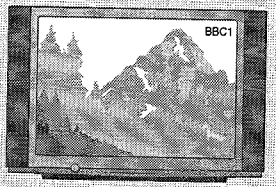
1 *Insert a blank tape*

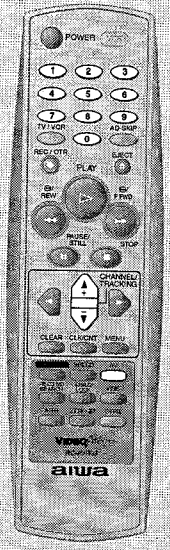


Insert a blank tape into your VCR. The power turns on automatically.

"0:00:00" will appear in the VCR display window.

2 *Select a Station to record from*





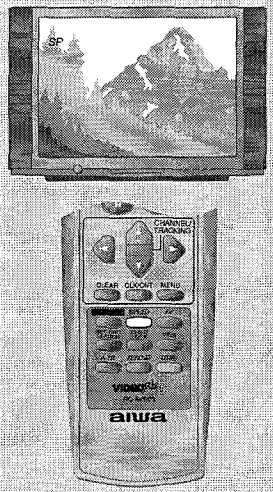
Press the number buttons or CHANNEL + or – on the remote control to select the TV Station you wish to record.

If you want to record the programme through the line input, press CHANNEL + or – or AV on the remote control to display "AV1" (from EURO AV1 AUDIO/VIDEO connector on the rear) or "AV2" (from EURO AV2 DECODER connector on the rear) on the TV screen.

(continued)

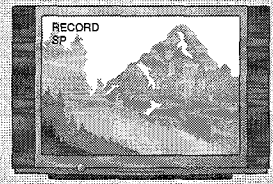
Recording a TV programme (continued)

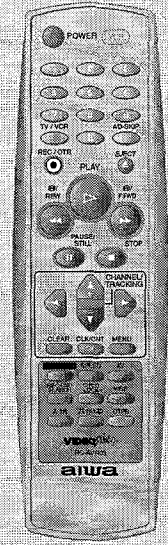
3 Select the tape recording speed



Press SPEED to select the recording speed, standard play (SP) or long play (LP).

4 Start recording

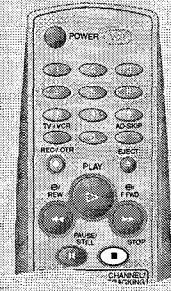




Press REC/OTR.

The VCR starts recording.

5 Stop recording

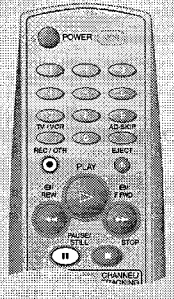


Recording will end when either:

- The STOP button is pressed.
- The tape runs out.

ONE-TOUCH PLAYBACK on your VCR lights. See page 25.

Pause recording



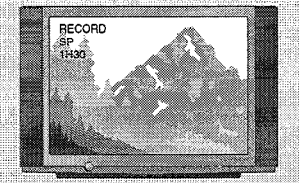
Press PAUSE/STILL during recording.

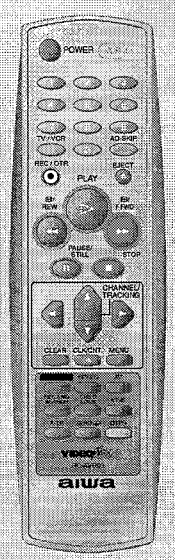
The pause feature will automatically change to stop after 5 minutes to avoid stretching your tape.

Press PAUSE/STILL to resume recording.

OTR (One-Touch Recording)

If you wish to record for a set length of time (e.g. 1 hour 30 minutes) you can set an OTR recording to stop after a set length of time.





Each time you press REC/OTR the record time is increased by 30 minutes, up to 6 hours, e.g;

1st press	continuous recording
2nd press	30 minutes
3rd press	1 hour
4th press	1 hour 30 minutes
5th press	2 hour
:	:
12th press	5 hours 30 minutes
13th press	6 hours
14th press	continuous recording
15th press	30 minutes
:	:

e.g. four presses will start recording immediately but stop after 1 hour 30 minutes.

You can add to the OTR recording time at any point by pressing REC/OTR.

Recording using VIDEO Plus+® System

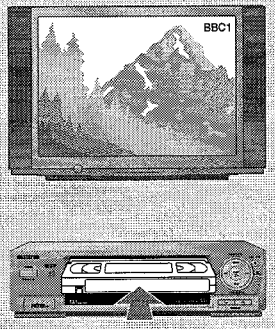
Your VCR is equipped with VIDEO Plus+ system. This recording system makes programming a recording much easier. By entering the VIDEO Plus+ PlusCode (the long number after each programme in your TV listings) the correct start time, end time, channel and date are set for you automatically. The VCR's timer allows up to 7 programmings to be set within a 1 month period.

Timer Recording

- Your VCR clock must be set correctly for the timer recording.
- The correct channel position must be assinged to the correct TV station. See page 13.
- When the power supply is interrupted for more than 3-15 seconds, the clock may be cleared. In this case, you have to set the clock again.
- When you set the timer for a satellite or cable programmes, check that the satellite (or cable) receiver is turned on and the channel to be recorded is selected.
- During timer recording, when the tape reaches the end, "TIMER" flashes in the VCR display window.

HELPLINE
Need help to install or operate? then please call AIWA on
0870-168-9000
All calls are charged at the national rate

1 Switch your VCR ON

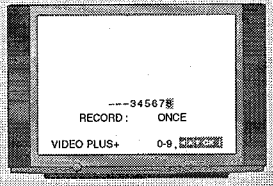


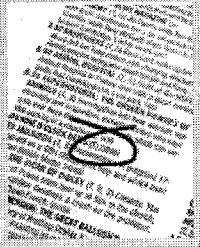
Switch on your TV and select AV or your VCR output channel.

Insert a blank tape.

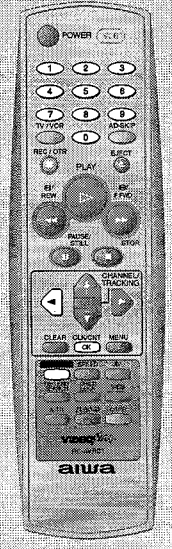
The VCR power is switched on.

2 Enter a VIDEO Plus+ PlusCode





VIDEO Plus+ PlusCodes can be found printed after each programme in most TV guides.



Press the VIDEO PLUS+ button on the remote control. The VIDEO PLUS+ screen will appear.

Enter the PlusCode for the programme you wish to record using the number buttons on the remote control.

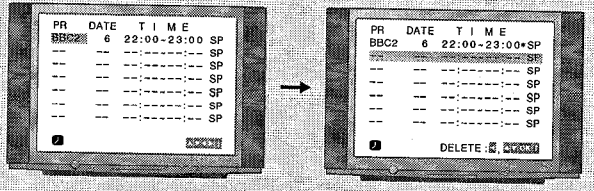
If an incorrect PlusCode is entered, press ◀, then enter the correct number.

Press OK.

VIDEO Plus+®

VIDEO Plus+ and PlusCode are registered trademarks of Gemstar Development Corporation.
The VIDEO Plus+ system is manufactured under license from Gemstar Development Corporation.

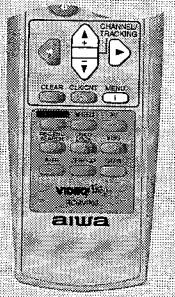
3 *Select PDC on or off and set the tape recording speed*



The timer programme list will appear that shows the channel position (or TV station's name), date, start time, end time, PDC information and tape speed for the programme you wish to record.

When you want to set the timer with the PDC function, press ▶ repeatedly to select the blank space between the end time and tape speed, then press ▲ or ▼ to display "*."

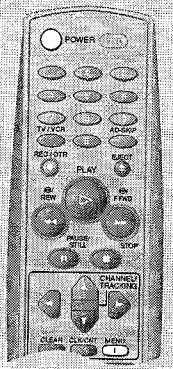
Press ▶ repeatedly to select tape speed, then press ▲ or ▼ to set the tape speed (SP or LP).



Press i/MENU to confirm your recording. The timer programme list sorted by the start time appears.

Do NOT change any time or date settings if PDC is set to on - This might stop your recording from taking place.

4 *Set your VCR into Timer Record Mode*



To programme further recordings repeat steps **2** through **3**.

Press i/MENU to return to the normal screen.

Now press POWER to set your timer recording.

(If the record protection tab has been removed from your tape; "NO TAB" will flash in the VCR display window and the tape will be ejected.)

Your VCR will go into timer record mode (this looks like standby, but "TIMER" will appear in the VCR display window).

If you do not put your VCR into timer record mode your recording will not take place.

Your TIMER RECORDING is now set.

At the set time your VCR will switch on and record your programme then go back into timer record mode.

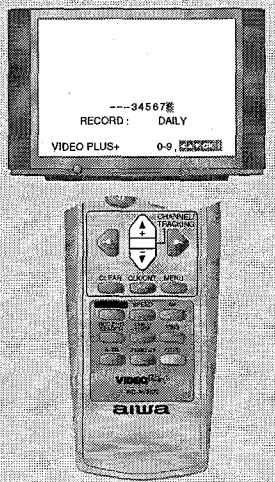
Changing the VIDEO Plus+ System Settings

You can easily change the fixed date recording and clear the overlapped programme before a timer recording takes place.

Daily/weekly recording

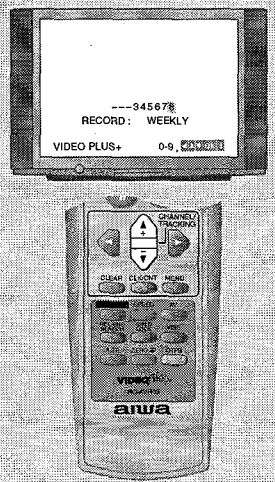
You can change the fixed date recording to daily/weekly recording while in step **2** on page 30.

If you want to record the same programme every day (from Monday to Friday)



Press ▲ or ▼ repeatedly until "DAILY" appears.

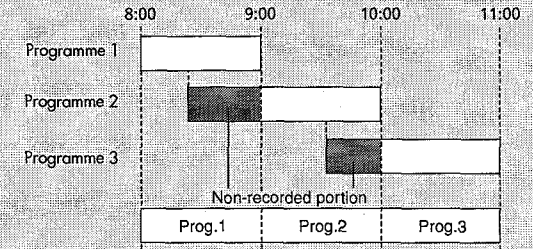
If you want to record every week (e.g. every Monday)



Press ▲ or ▼ repeatedly until "WEEKLY" appears.

Overlapped programmes

The overlapped portions of the programmes will not be recorded. Earlier recording times have priority over later recording times.



If you wish to delete the overlapped programme, see "Cancelling Timer Recordings" on page 39.

Timer Recordings

Timer recordings allow you to programme your VCR to switch on and record a programme at a preset time. Make sure your clock is set correctly.

Timer Recording

- When the power supply is interrupted for more than 3-15 seconds, the clock may be cleared. In this case, you have to set the clock again.
- During timer recording, when the tape reaches the end, "TIMER" flashes in the VCR display window.

HELPLINE

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0870-168-9000

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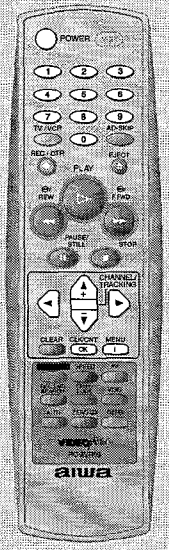
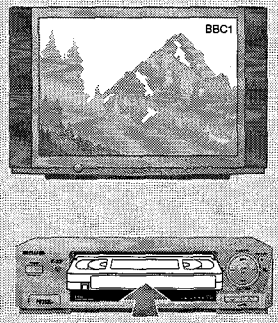
Buttons to be used in the following steps



1 *Switch your VCR on*

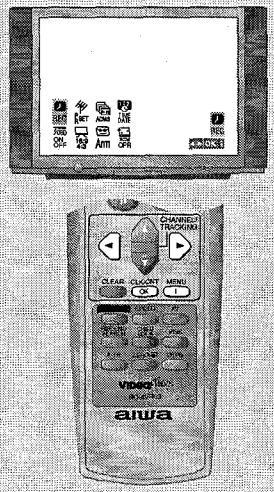


Switch on your TV and select AV or your VCR output channel.

Insert a blank tape.

The VCR power is switched on.

2 *Select REC*



Press i/MENU; the main menu will appear.

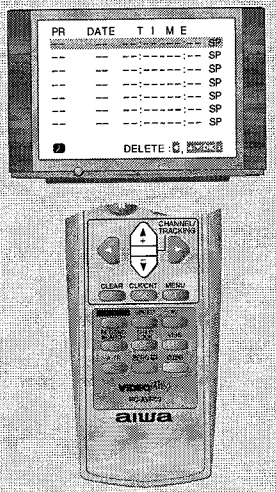
Press ◀ or ▶ to select REC, then press OK.

(continued)

Timer Recordings (continued)

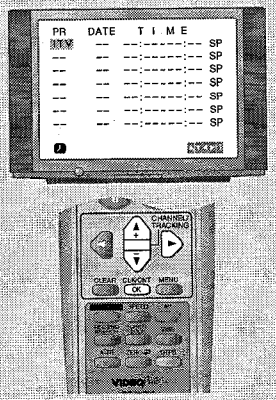
The VCR's timer allows up to 7 programmings to be set within a 1 month period.

3 *Select a free timer record position*



Press ▲ or ▼ to select a free timer position (blank dotted line).

4 *Set the channel*



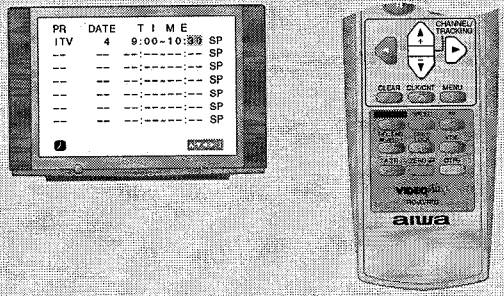
Press OK.

Press ▲ or ▼ to set the channel you wish to record, then press ▶.

You can also set the channel by pressing the number buttons. (When selecting a number less than 10, press 0 then 1 through 9.)

If you want to record the programme through the line input, press ▲ or ▼ to display "AV1" or "AV2" according to the connected sockets instead of the channel position.

5 *Set the date, start time and end time.*



Press ▲ or ▼ to set the date of the programme you wish to record, then press ▶. *(If you want to set daily/weekly recordings, see page 36.)*

Press ▲ or ▼ to set the hour the programme starts, then press ▶.

Press ▲ or ▼ to set the minute the programme starts, then press ▶.

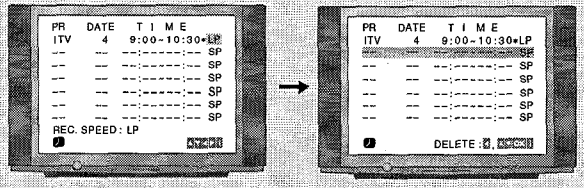
Press ▲ or ▼ to set the hour the programme ends, then press ▶.

Press ▲ or ▼ to set the minute the programme ends, then press ▶.

You can also set the items by pressing the number buttons. (When selecting a number less than 10, press 0 then 1 through 9.)

If you make a mistake during programming a timer recording, press ◀ or ▶ to select the information you want to change and then press ▲ or ▼ to change it.

6 *Set the PDC and tape speed*

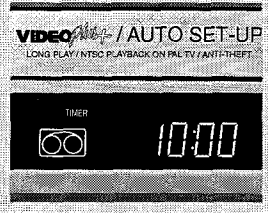


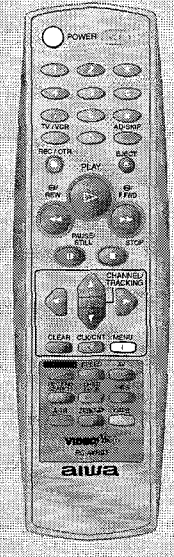
When you want to set the timer with the PDC function, press ▶ repeatedly to select the blank space between the end time and tape speed, then press ▲ or ▼ to display "*."

Press ▶ repeatedly to select tape speed, then press ▲ or ▼ to set the tape speed (SP or LP).

Press i/MENU to confirm your recording. The timer programme list sorted by the start time appears.

7 *Set your VCR into Timer Record Mode*





To programme further recordings repeat steps **3** through **6**.

Press i/MENU to return to the normal screen.

Now press POWER to set your timer recording.

(If the record protection tab has been removed from your tape, "NO TAB" will flash in the VCR display window and the tape will be ejected.)

Your VCR will go into timer record mode (this looks like standby, but "TIMER" will appear in the VCR display window).

If you do not put your VCR into timer record mode your recording will not take place.

Your TIMER RECORDING is now set.

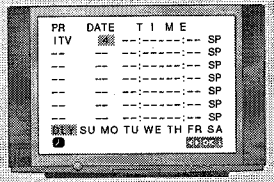
At the set time your VCR will switch on and record your programme then go back into timer record mode.

Changing the Timer Recording Settings

You can set the daily/weekly timer, correct the data while setting a timer recording and clear the overlapped programme before a timer recording takes place.

Daily/weekly timer

You can set the daily/weekly recording. When you set the date of the programme you wish to record (in step 5 on page 34), press OK before setting the date.

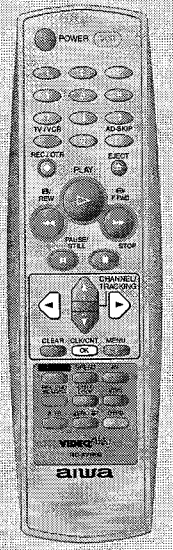


Press ◀ or ▶ to select the desired setting.

DLY: For daily recording from Monday to Friday

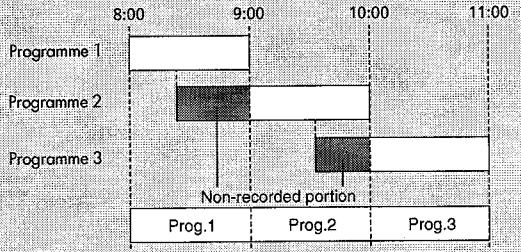
SU, MO, TU, WE, TH, FR, SA: For weekly recording on Sunday, Monday, Tuesday, Wednesday, Thursday, Friday or Saturday

Press OK.



Overlapped programmes

The overlapped portions of the programmes will not be recorded. Earlier recording times have priority over later recording times.

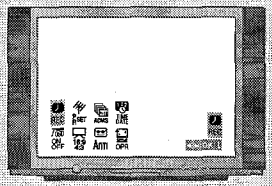


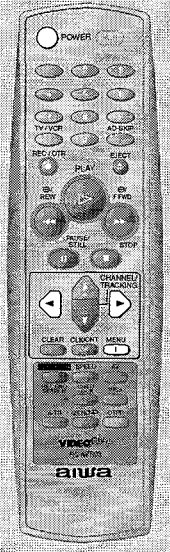
If you wish to delete the overlapped programme, see "Cancelling Timer Recordings" on page 39.

Checking Timer Recordings

You can easily check the details of a timer recording before it takes place.
After a timer recording has taken place it will automatically be removed from the timer event menu.

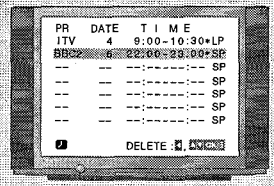
1 *Cancel timer record mode and select REC*

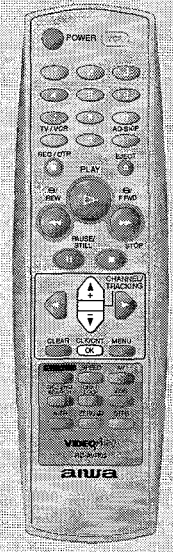




If your VCR is in timer record mode press POWER to switch on your VCR.
"TIMER" will go out in the VCR display window.
Press i/MENU; the main menu will appear.
Press ◀ or ▶ to select REC.

2 *Select a recording to check*



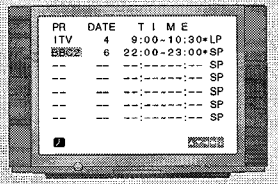


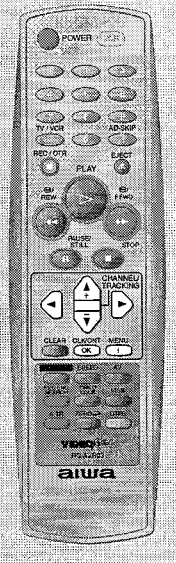
Press OK.
The timer programme list will appear.
If you wish to amend a timer recording, press ▲ or ▼ to select the recording.

(continued)

Checking Timer Recordings (continued)

3 *Check or amend the details*



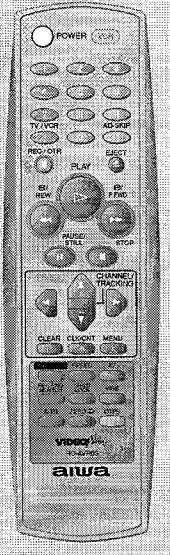


Press OK.

See pages 34 and 35 for details on setting the timer recording.

After checking the details, press i/MENU to clear the screen.

4 *Reset timer record mode*

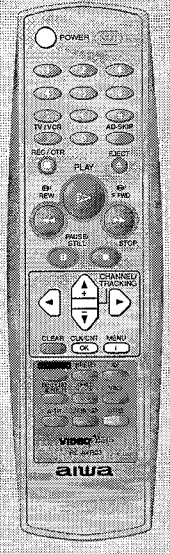


Press POWER to put your VCR back into timer record mode if there are any more recordings to be made. If you do not, the recordings will not take place.

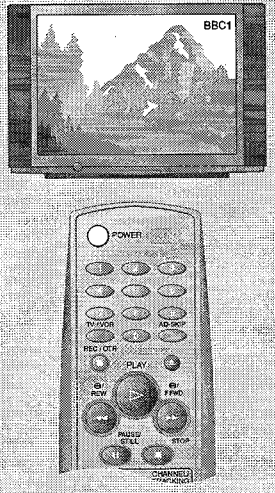
(If a tape is not inserted, "📼" will flash in the VCR display window. If the record protection tab has been removed from your tape, "NO TAB" will flash in the VCR display window and the tape will be ejected.)

Cancelling Timer Recordings

Buttons to be used in the following steps



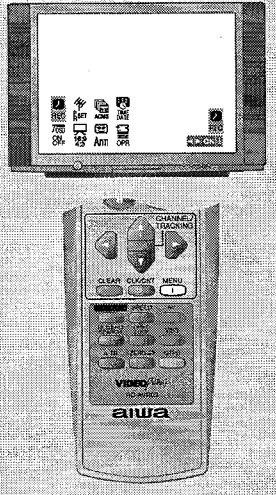
1 *Cancel timer record mode*



If your VCR is in timer record mode press POWER to switch on your VCR.

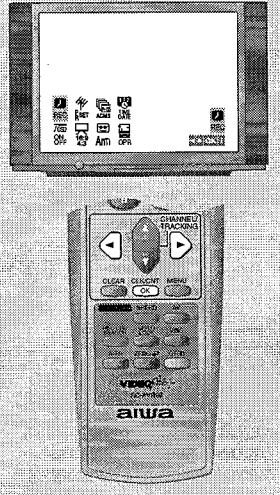
"TIMER" will go out in the VCR display window.

2 *Select the MAIN menu*



Press i/MENU; the main menu will appear.

3 *Select REC*



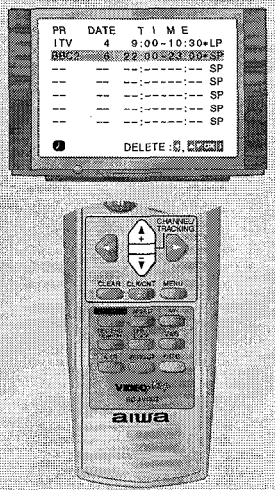
Press ◀ or ▶ to select REC then press OK.

The timer programme list will appear.

(continued)

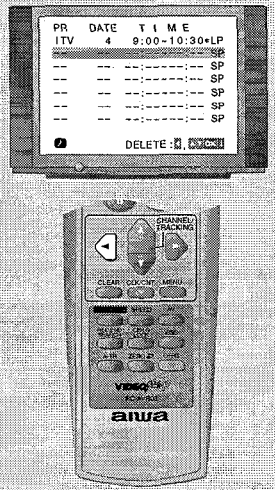
Cancelling Timer Recordings (continued)

4 Select a recording to cancel



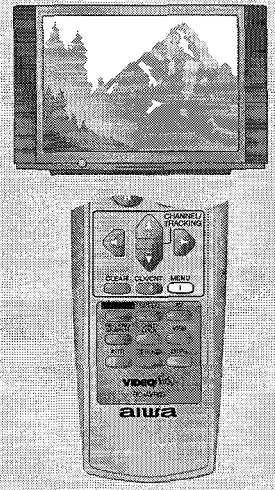
If you wish to cancel a timer recording, press ▲ or ▼ to select the recording.

5 Delete the recording



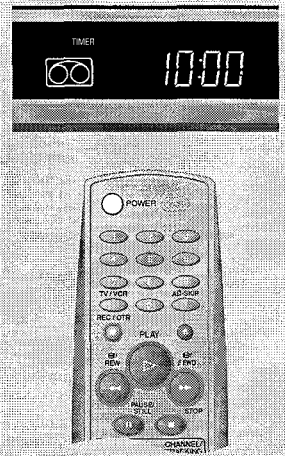
Press ◀; the selected recording details will be deleted.

6 Return to the normal screen



Press i/MENU to remove the on screen display.

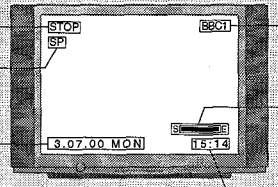
7 Reset timer record mode



Press POWER to put your VCR back into timer record mode if there are any more recordings to be made. If you do not, the recordings will not take place.

(If a tape is not inserted, "📼" will flash in the VCR display window.)

Identifying the on screen display items



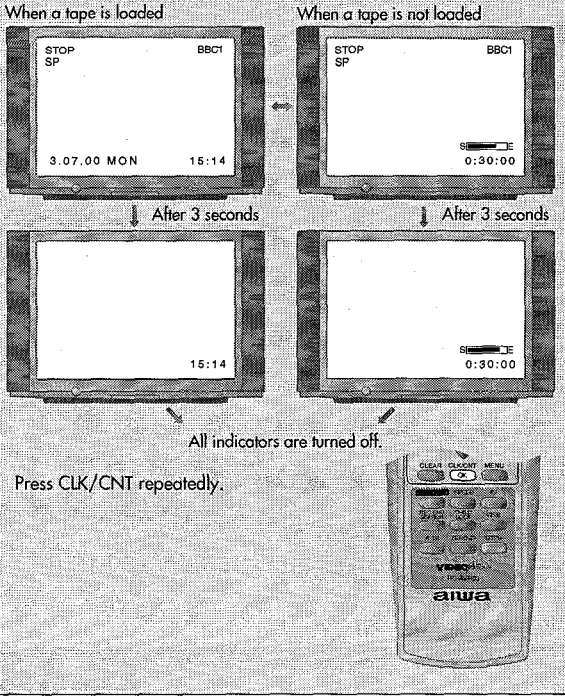
When you record a video signal output from your VCR onto another VCR, turn off the on-screen display.

Otherwise, the mode indicators displayed on the TV screen will be recorded on the tape.

Remaining tape length display

- After playing back a tape or recording a programme for a while, the VCR automatically checks the remaining tape length of the cassette. If you want to record, start recording after checking the remaining tape length is completed.
- If a tape has portions recorded in both PAL and NTSC systems, the time counter reading will not be correct. This discrepancy is due to the difference between the counting cycles of the two video systems.
- When you insert a cassette with a short tape length such as E-30 or a non-standard commercially available tape, the remaining tape length display may not be correct.
- The remaining tape length display is intended for rough measurement only.

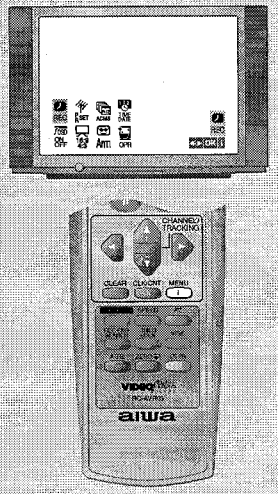
Changing the on screen function display



Removing the On screen Display

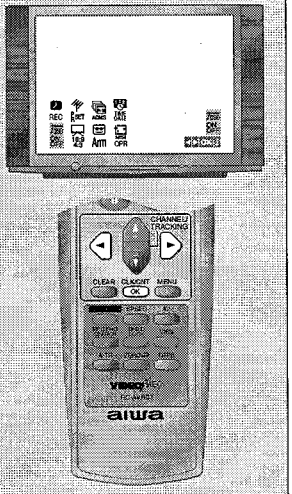
You can turn the on screen display off.

1 Select the MAIN menu



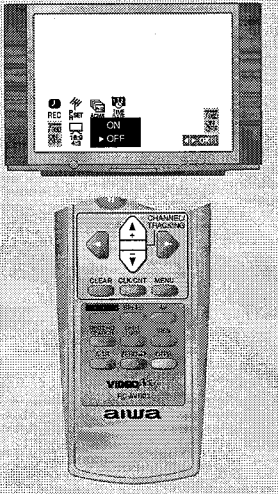
Press i/MENU; the main menu will appear.

2 Select ON OFF



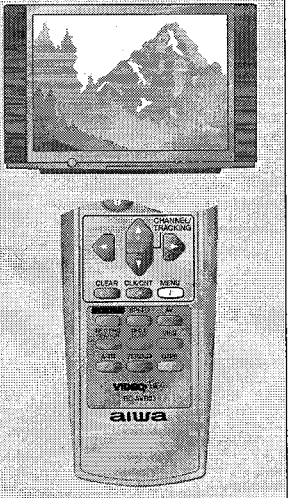
Press ◀ or ▶ to select ON OFF, then press OK.

3 Set ON OFF to OFF



Press ▲ or ▼ to select OFF.

4 Return to normal screen



Press i/MENU to remove the menu.

Adjusting the Tracking

Automatic tracking adjusts the picture to make sure you see the best possible picture.

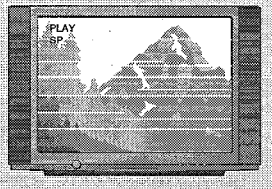
Automatic tracking

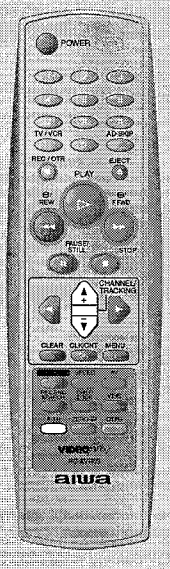
The VCR adjusts the tracking automatically to obtain the best picture from the VCR tape.

While adjusting it, "A.TRK" flahses in the VCR display window.

"A.TRK" does not appear while playing unrecorded portions of tape.

Manual Tracking





If white lines appear during playback or the picture starts to shake you can try to adjust the tracking manually.

Press TRACKING + or – to obtain the best picture.

To resume automatic tracking, press A-TR.

HELPLINE

Need help to install or operate? then please call AIWA on:

0870-168-9000

All calls are charged at the national rate

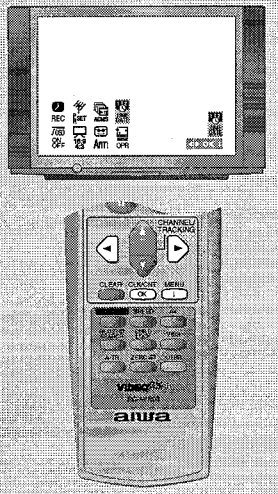
Manually setting the correct Time and Date

You must set the correct time and date on your VCR before you make any VIDEO Plus+ system or timer recordings. You should only need to set the time manually if it was not set during AUTO SET-UP (pages 10-12).

Manual SETUP

- Your VCR is fitted with a 24hr clock and a year 2099 compliant calender.
- Before you can make any recording you must set the correct time and date.
- Your VIDEO Plus+ system or timer recordings might miss the beginning or end of programmes if the time or date are not set correctly.
- Once set, the time will show in the VCR's display window when the VCR is in stand-by.
- If your VCR is unplugged from the mains or you have a power cut for more than 3-15 seconds you must set the correct time and date again.

1 Select TIME DATE

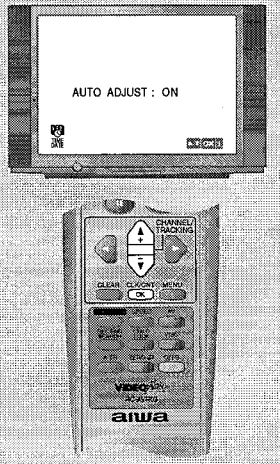


Press i/MENU; the main menu will appear.

Press ◀ or ▶ to select TIME DATE.

Press OK, the AUTO ADJUST screen will appear.

2 Check AUTO ADJUST



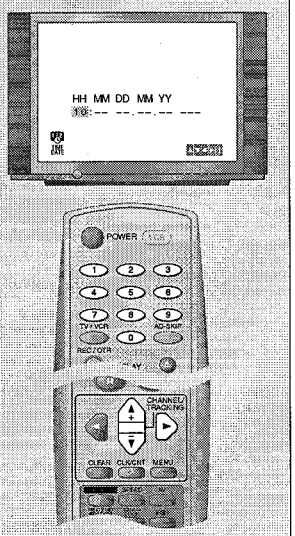
Press ▲ or ▼ to set AUTO ADJUST to ON.

The VCR will automatically correct the clock once AUTO ADJUST is set to ON. When unpacking the VCR, AUTO ADJUST is set to ON.

Press OK.

The screen changes to the clock setting menu.

3 Set the HOURS



Press ▲ or ▼ to set the hours, then press ▶.

You can also set the hours by pressing the number buttons.

(When selecting a number less than 10, press 0 then the buttons 1 through 9.)

HELPLINE
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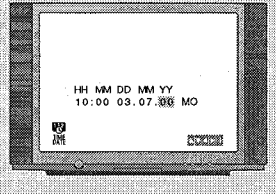
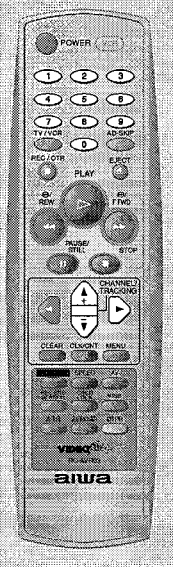
4 *Set the minutes, day, month and year.*





Press ▲ or ▼ to set the minutes, then press ▶.

Press ▲ or ▼ to set the day, then press ▶.

Press ▲ or ▼ to set the month, then press ▶.

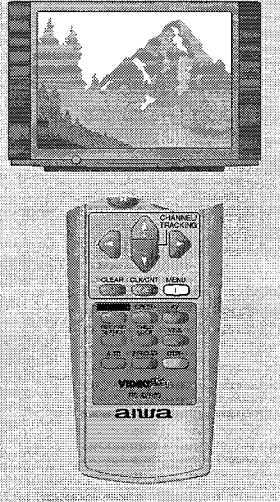
Press ▲ or ▼ to set the year, then press ▶.

The day of the week automatically appears.

You can also set the items by pressing the number buttons.

(When selecting a number less than 10, press 0 then the buttons 1 through 9.)

5 *Start the clock*



Press i/MENU to start the clock.

The normal screen returns.

Correcting the digits during setting

Press ◀ or ▶ to select the item you want to correct before pressing i/MENU.

Correct the digits by using the ▲ or ▼ button.

Manual Tuning

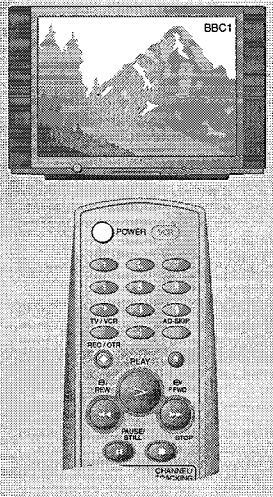
You should only need to manually tune channels on your VCR if the AUTO SET-UP missed one station or you wish to tune in a duplicate channel, e.g. you may have two ITV's - Anglia and Carlton and may wish to tune Carlton into channel 3 instead of Anglia.

Manual Tuning

- Before you can view a channel on your VCR or make a recording you must tune all available stations into your VCR.
- Switch on any external equipment connected to your VCR (e.g. a satellite receiver/cable box) before you start tuning.
- In order for VIDEO Plus+ system to work correctly your TV Station must be in the positions in the table below.

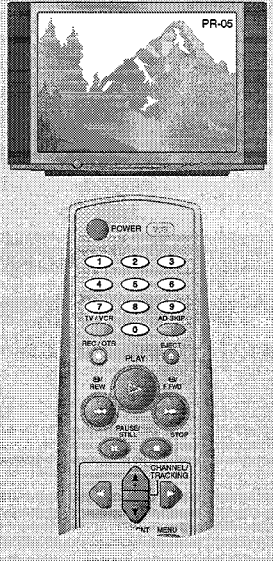
VCR Channel	Station
PR-01	BBC1
PR-02	BBC2
PR-03	ITV
PR-04	Channel 4
PR-05	Channel 5

1 Switch your VCR ON



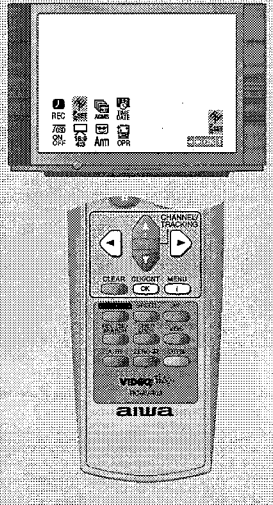
If your VCR is in standby, press POWER to switch it on.
Select the VCR channel on your TV. (e.g. AV or VCR output channel).

2 Select the channel position



Press the number buttons to select the channel position to tune in.

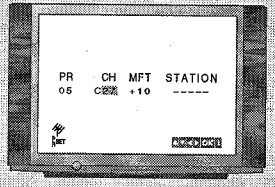
3 Select PR SET

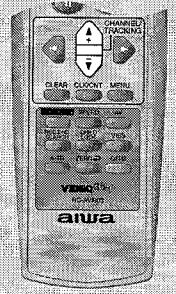


Press i/MENU; the main menu will appear.

Press ◀ or ▶ to select PR SET, then press OK.

4 Select a TV station



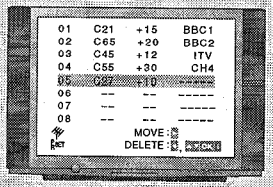


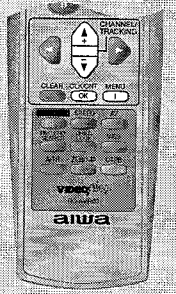
Press ▲ or ▼ to select the VCR channel number of a TV station you want to set.

You can also use the number buttons.

If the TV station is received, the VCR displays the TV programme. If the displayed programme is not the TV station you want to set, press ▲ or ▼ to select another TV station.

5 Store in the correct channel positions



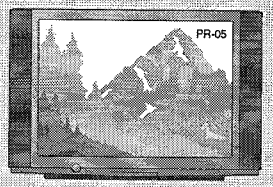


Press i/MENU; the VCR channel list appears.

To set other VCR channels, press ▲ or ▼ to select the channel position, then press OK. Repeat steps **4** through **5** until all the required VCR channels are set.

The table on page 46 shows the correct channel positions for stations to be stored in.

6 Return to the normal screen



Press i/MENU to remove the on screen display.

HELPLINE

Need help to install or operate? then please call AIWA on:

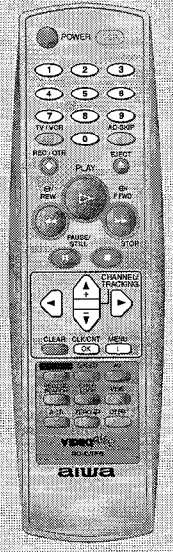
0870 168 9000

All calls are charged at the national rate

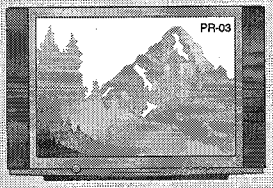
Entering the TV Station's Name

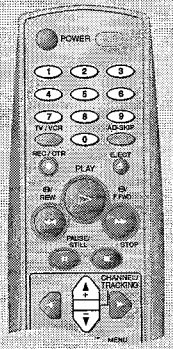
The TV station's name is displayed automatically only when the TV station has broadcast information. If the station does not broadcast its name automatically, you can enter the TV station's name manually.

Buttons to be used in the following steps



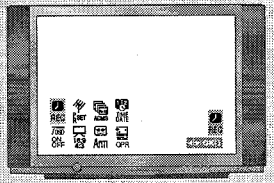
1 *Select the channel position*

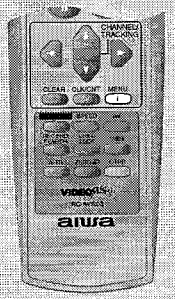




Press CHANNEL + or – or the number buttons to select the channel position you want to enter the TV station's name.

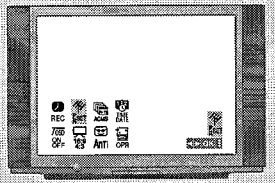
2 *Select the MAIN menu*

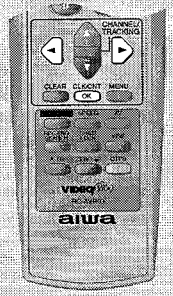




Press i/MENU; the main menu will appear.

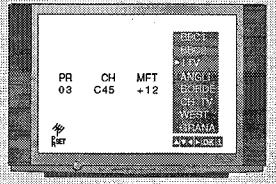
3 *Select PR SET*

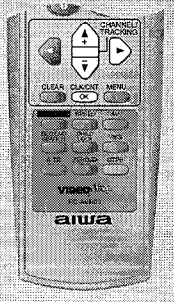




Press ◀ or ▶ to select PR SET, then press OK.

4a Display the desired TV station's name

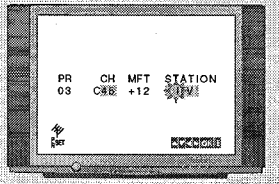




Press ▶ twice, then press OK; the TV station name list will appear.

Press ▲ or ▼ to select the desired TV station's name, then press OK.

4b Display the desired letter



Press ▶ twice, then press OK.
Press ▶, then press ▲ repeatedly to display the desired letter.

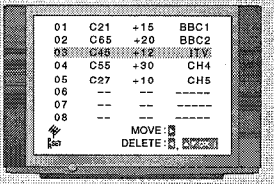
The display changes as follows;

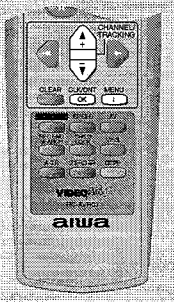
A → B → ... → Z → 0 → 1 → 2 → ... → 9 → + → - → . → (space) → A ...

Press ▼ to change the display in reverse order.
Press ▶.

Repeat above to enter the TV station's name. You can enter up to 5 letters. When all the letters are entered, press OK.

5 Store your setting



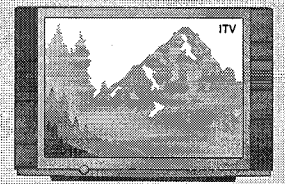


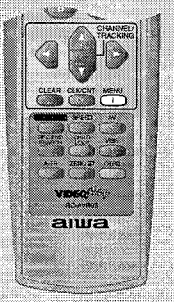
Press i/MENU; the VCR channel list appears.

If you want to enter another TV station's name, press ▲ or ▼ to select the channel position, then press OK.

Repeat steps 4 through 5.

6 Return to the normal screen.





Press i/MENU to remove the on screen display.

Setting the Security Protection - Anti-Theft

In an effort to fight crime, we have equipped your VCR with security protection. When switched ON you have to enter a PIN code after your VCR has been unplugged from the mains for more than 3-15 seconds.
You MUST write down your PIN code and keep it in a safe place.

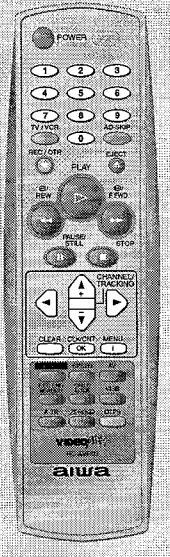
IMPORTANT

NOTE:
Do not turn on this feature unless you are confident that you will not loose your pin code. Your dealer will charge you to "unlock" your machine if you forget your pin code.

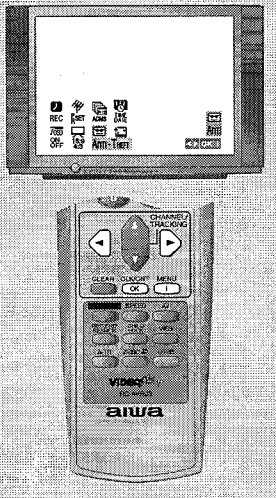
- The PIN code protection will only work if your VCR is unplugged from the mains supply for more than 3-15 seconds.
- If your VCR needs to be serviced, make sure that the security protection is set to OFF, otherwise you will be charged for re-setting the feature.
- When the VCR is locked, only the POWER button work.

HELPLINE
Need help to install or operate your equipment please call AIWA on
0870-168-9000
All calls are charged at the national rate

Buttons to be used in the following steps



1 Select ANTI-THEFT

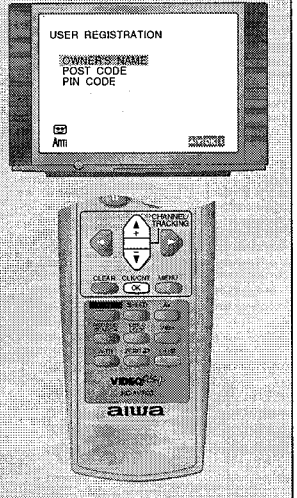


Press i/MENU; the main menu will appear.

Press ◀ or ▶ to select ANTI-THEFT, then press OK.

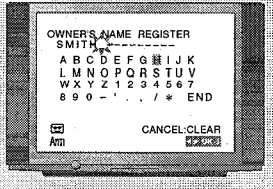
The USER REGISTRATION screen will appear.

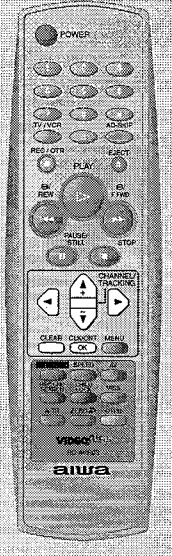
2 Select OWNER'S NAME.



Press ▲ or ▼ to select OWNER'S NAME, then press OK.

3 Enter owners name





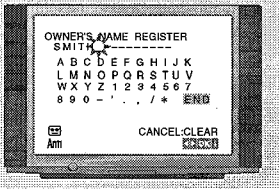
Press ▲, ▼, ◀ or ▶ to select the desired letter, then press OK.

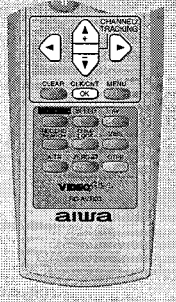
If you make a mistake, press CLEAR.

Repeat these operations to enter your name.

You can enter up to 18 letters.

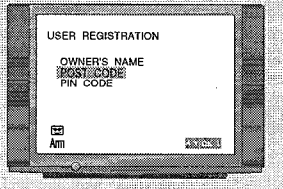
4 Store the letters

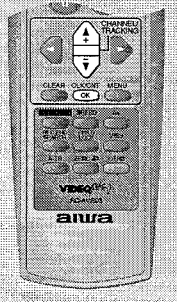




Press ▲, ▼, ◀ or ▶ to select END, then press OK to return to the USER REGISTRATION screen.

5 Select POST CODE



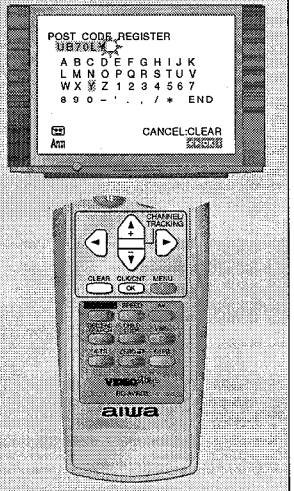


Press ▲ or ▼ to select POST CODE., then press OK.

(continued)

Setting the Security Protection - Anti-Theft (continued)

6 Enter post code


POST CODE REGISTER
UB70LX
A B C D E F G H I J K
L M N O P Q R S T U V
W X Y Z 1 2 3 4 5 6 7
8 9 0 – ' . , / * END
CANCEL:CLEAR
Am
CHANNEL TRACKING
CLEAR
CLOCK
MENU
OK
aiwa

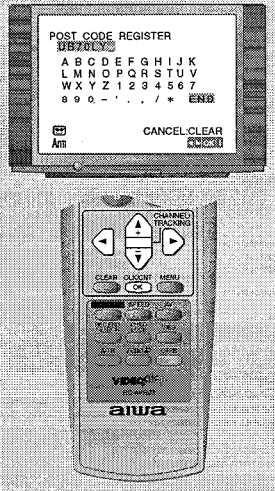
Press ▲, ▼, ◀ or ▶ to select the desired letter, then press OK.

If you make a mistake, press CLEAR.

Repeat these operations to enter post code.

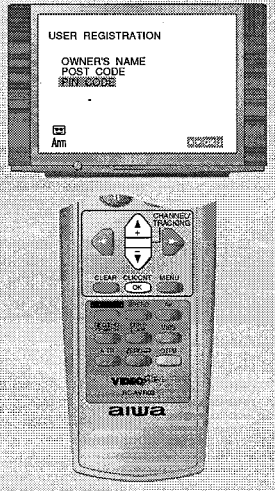
You can enter up to 8 letters.

7 Store the letters


POST CODE REGISTER
UB70LY
A B C D E F G H I J K
L M N O P Q R S T U V
W X Y Z 1 2 3 4 5 6 7
8 9 0 – ' . , / * END
CANCEL:CLEAR
Am
CHANNEL TRACKING
CLEAR
CLOCK
MENU
OK
aiwa

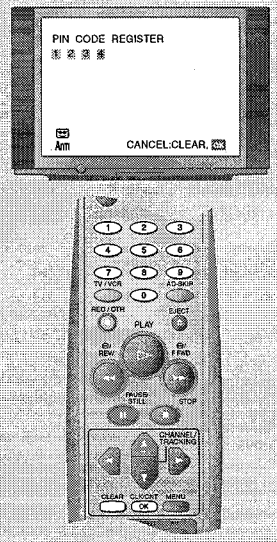
Press ▲, ▼, ◀ or ▶ to select END, then press OK to return to the USER REGISTRATION screen.

8 Select PIN CODE



Press ▲ or ▼ to select PIN CODE, then press OK.

9 Enter a PIN CODE



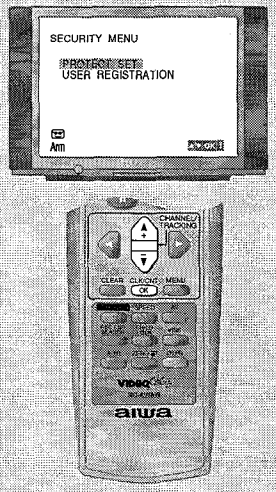
Press the number buttons to enter a PIN code. Your PIN code can be a combination of any 4 digits.

If you make a mistake, press CLEAR.

Press OK; the SECURITY MENU screen will appear.

HELPLINE
Need help to install or operate this please call AIWA on:
0870-168-9000
All calls are charged at the national rate

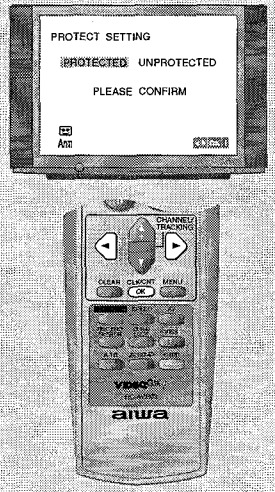
10 Select PROTECT SET



Press ▲ or ▼ to select PROTECT SET, then press OK.

If the PIN code is not registered, you cannot select PROTECT SET.

11 Select PROTECTED

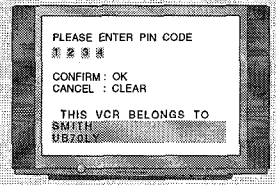


Press ◀ or ▶ to select PROTECTED, then press OK.

"LOCKED. PLEASE CONFIRM" will appear for a few seconds.

The normal screen returns.

Entering your PIN code



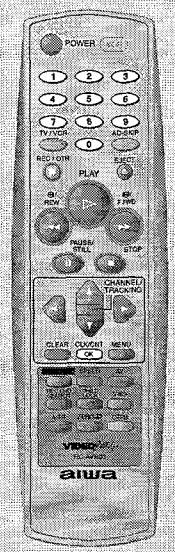
After a power failure or after the VCR has been unplugged from the mains for longer than 3-15 seconds, the "PLEASE ENTER PIN CODE" display will appear the next time you switch your VCR on.

Enter your PIN code using the number buttons, then press OK.

If you enter the correct PIN code, "PIN CODE OK" will appear and you can now use your VCR as normal.

If you entered an incorrect PIN code, "PIN CODE WRONG" will appear and you can try to enter the correct code again.

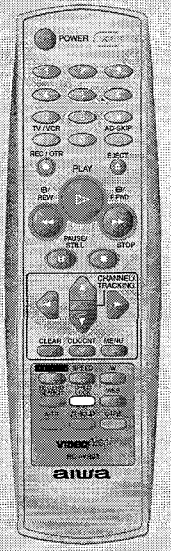
If you entered an incorrect PIN code more than 3 times your VCR will lock itself and you will not be able to use it. To unlock the VCR you must unplug the VCR from the mains supply for a further 3-15 seconds, then plug the VCR back in and enter the correct PIN code.



Other Convenient Features

Child lock feature can lock all the buttons on the front panel of the VCR except for the STOP and EJECT buttons on the VCR.
The VCR has a feature to reduce power consumption during standby mode.

Child lock feature



Press CHILD LOCK.

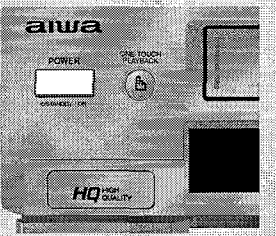
"🔒" appears in the VCR display window.

All the buttons except for the STOP and EJECT buttons on the VCR are not operable.

To cancel the Child lock mode, press CHILD LOCK again.

"🔒" turns off in the display window.

Power saving mode



Press POWER on the VCR to turn off the VCR.

The VCR goes into the power saving mode and the display window turns off.

When the VCR is set to make a timer recording, the VCR does not go into the power saving mode even if you press POWER on the VCR.

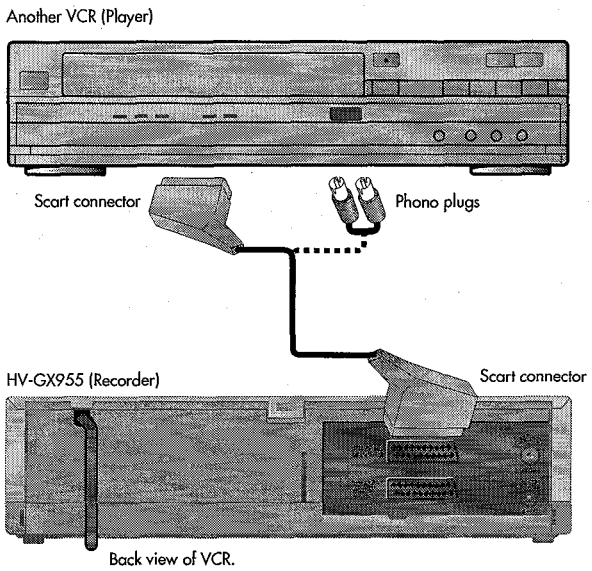
To cancel the power saving mode, press POWER on the VCR.

During power saving mode, the buttons on the remote control are not operable.

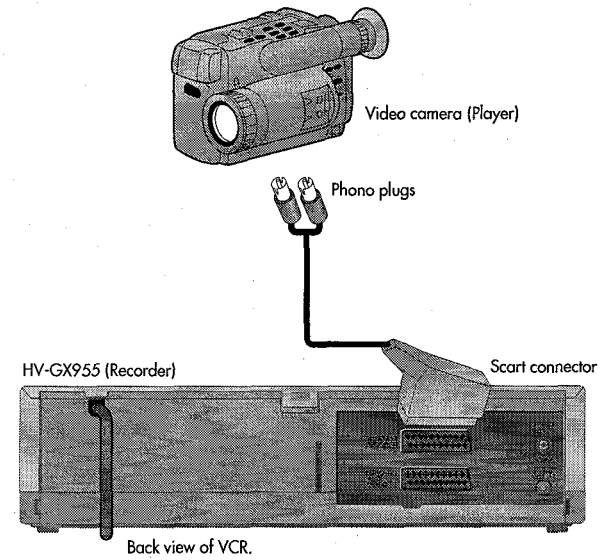
Dubbing

If you connect your VCR to another VCR or Video camera it is possible to duplicate a pre-recorded tape. Please note that the picture quality will not be as good as that on the original tape. Make sure all appliances are unplugged from the mains supply and switched off before you attempt to connect the relevant connection lead.

How to connect your VCR to another VCR



How to connect your VCR to a video camera



NOTE:
If the two products made by AIWA are located near each other and both are turned on, do not use the remote control. Use the buttons on the VCR instead.

(continued)

Dubbing (continued)

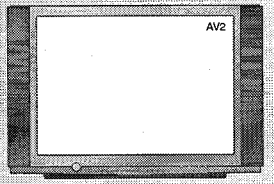
All connections must be made before turning the power on.

1 *Insert the tapes*

Insert the tape you wish to record ON into your VCR.

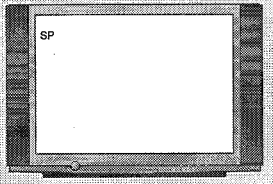
Insert the tape you wish to record FROM into the other VCR or a video camera.

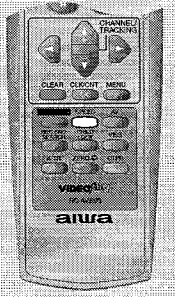
2 *Select AV2*



Press AV to display "AV2" on the TV screen.

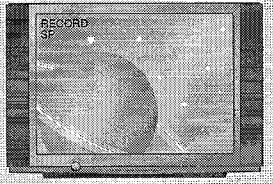
3 *Select the tape speed*

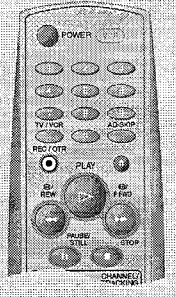




Press SPEED to select SP or LP.

4 *Start dubbing*





Set the other VCR or video camera to playback.

Press REC/OTR on the recording VCR.

Wiring Instructions and Record Protection Tab

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

BLUE — NEUTRAL

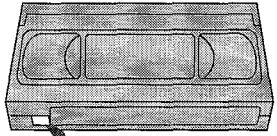
BROWN — LIVE

As the colours of the wires in the mains lead of this appliance may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked by the letter N or coloured BLACK.

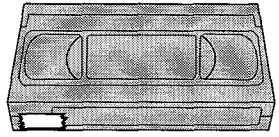
The wire which is coloured BROWN must be connected to the terminal which is marked by the letter L or coloured RED.

DO NOT connect either the BLUE or BROWN wire of the mains lead to the earth terminal (marked with the letter E or by the earth symbol ⏚ or coloured GREEN or GREEN/YELLOW) of a three pin plug.



To prevent accidental erasure of a recording, break off the record protection tab with a screwdriver.

If you need to record onto a tape that the tab has been removed from, cover the hole with a small piece of adhesive tape.



Record Protection Tab

When you insert a video cassette with the record protection tab removed (for example a pre-recorded tape from a video hire shop) playback will start straight away.

Automatic video head cleaning

The video heads are the means by which the VCR reads pictures from the tape during playback. In the unlikely event that they become dirty enough to be clogged, no picture will be played back. This can easily be determined if during playback of a known good tape, there is good sound but no picture (picture is extremely snowy). The auto head cleaning system cleans the video heads automatically when a video is inserted and ejected, this will prevent dirt from accumulating on the heads. Manual cleaning may still be necessary in some cases, if this is the case, have the VCR checked and cleaned by qualified personnel. Head cleaning cartridges are not recommended because they can be abrasive to your video heads. To help prevent video head clogging, use only good quality VHS tapes. Discard worn out tapes.

Help and Troubleshooting

Please check the following points before contacting the AIWA Helpline.

Symptom	Cause	Solution
No Power	Is your VCR plugged in?	Plug your VCR into a mains socket and switch ON
The TV programme selected on your VCR does not appear on your TV screen	Aerial connection is incorrect	Re-connect the aerial (pages 7-9)
	Aerial cable is disconnected	Re-connect the aerial (pages 7-9)
	Your TV is not on your VCR channel	Switch your TV to AV or your VCR output channel
	Your VCR channel is not properly tuned in on your TV	Re-tune a channel on your TV until you can see the VCR's picture (pages 10-12)
VCR will not record	No tape in the VCR	Insert a VCR tape
	Record Protection has been removed from the VCR tape	Place a piece of adhesive tape over the protection tab slot on the VCR tape
	VCR is switched OFF	Switch the VCR on by pressing the POWER button on the remote control or the POWER button on the front of your VCR
No colour or "snow" during playback	VCR heads are dirty	Contact your dealer.
	Your TV might not be tuned to your VCR properly	Re-tune your TV to your VCR (page 15)
	Your VCR tape is worn or damaged	Try another VCR tape
	The tracking adjustment is beyond the range of the Automatic Tracking Circuit	Adjust the tracking manually (page 43)
In LP mode lines or distortion on picture during fast forward, rewind or pause	This is normal and does not mean there is anything wrong with your VCR	

HELPLINE
Need help to install or operate? then please call AIWA on:
0870-168-9000
All calls are charged at the national rate

Symptom	Cause	Solution
Remote control does not work	It is not facing the remote control sensor	Aim it at the remote control sensor
	It is too far away or there is too much light in room (bright direct sunlight)	Operate within 7 metres or reduce light
	Obstacle in path of beam	Clear path of beam
	Batteries are inserted incorrectly	Insert batteries correctly
	Batteries are weak	Replace batteries
Playback picture does not appear	TV not set to the VCR channel	Set your TV to AV or your VCR output channel
VCR does not record the TV station or time you request	Your Stations have not been stored in the correct channel positions on your VCR	Re-tune your VCR using the Automatic set-up (pages 10-12) or try to manually tune the channels (pages 46-47)
	The time is not set correctly	Re-tune your VCR using the Automatic set-up (pages 10-12) or try to manually set the time and date (pages 44-45)
The tape stops unexpectedly during rewind	Zero return is set	Press the REW button again
Error appears when entering VIDEO Plus+ codes	Incorrect VIDEO Plus+ code	Re-enter the VIDEO Plus+ code
	The VCR's timer record memory is full	Clear the timer memory (page 39)
VIDEO Plus+ does not record the TV station or time you request	Your VIDEO Plus+ system channel position has been incorrectly set	Check your VIDEO Plus+ system set-up (pages 13-14)
	The VCR's timer record memory is full. This may be because PDC was set to the ON position for recordings from TV stations that do not broadcast PDC signals.	Clear the timer memory (page 39) and follow the PDC guidance (page 26)

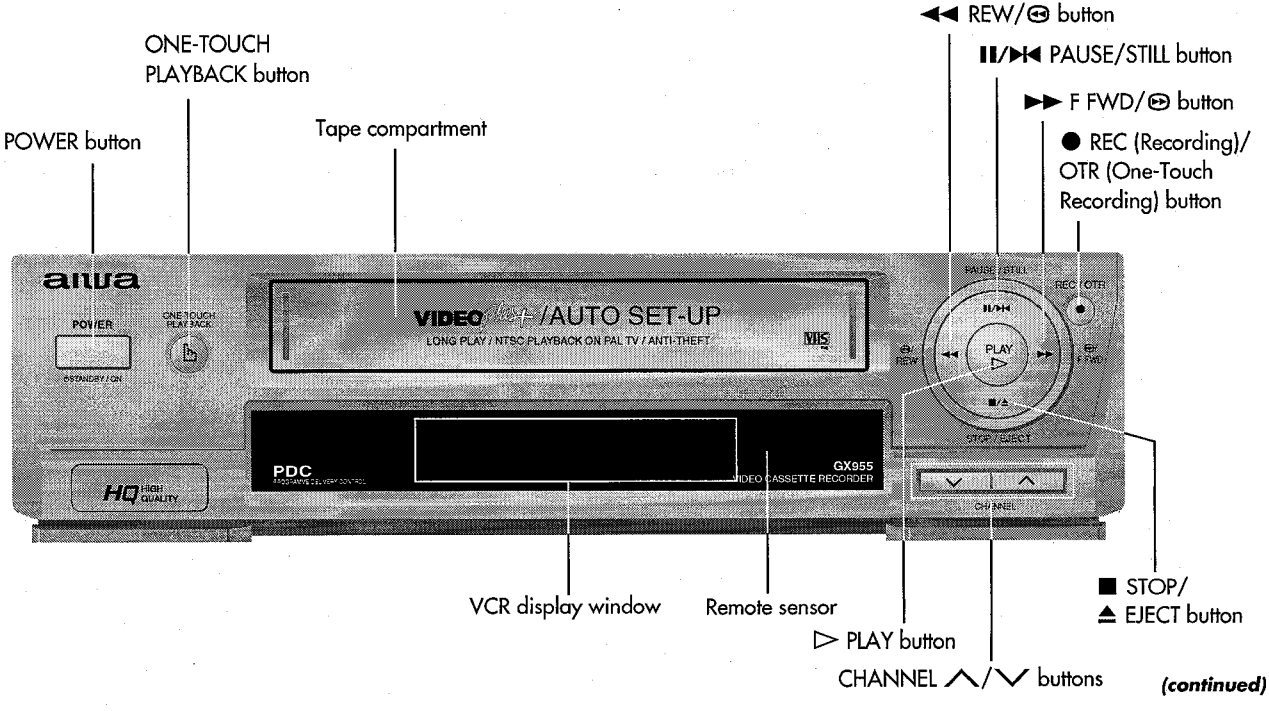
Specification

Video recording system	Rotary 2 head helical scanning system
Video head	Double azimuth 4 heads
Tuner system	Frequency synthesized tuner
TV system	I
Video signal system	PAL colour signal, 625 lines, 50 fields
Usable cassettes	VHS video cassettes
Recording/playback time	PAL SP: 5 hours max. with E-300 tape LP: 10 hours max. with E-300 tape NTSC (Playback only) SP: 3 hours 30 minutes max. with T-210 tape LP: 7 hours max. with T-210 tape EP: 10 hours 30 minutes max. with T-210 tape
Tape speed	PAL SP: 23.39 mm/sec. LP: 11.69 mm/sec. NTSC (Playback only) SP: 33.35 mm/sec. LP: 16.67 mm/sec. EP: 11.12 mm/sec.
Rewind time	Approx. 3min. with E-180 tape
Channel coverage	UHF 21 to 69
RF output	UHF channel between 22 and 68, 70dBμ
Video input	0.5–2.0 Vp-p, 75 ohm, unbalanced
Video output	1.0 Vp-p, 75 ohm, unbalanced
Horizontal resolution	240 lines (SP mode)
Video S/N	43 dB (SP mode)
Audio track	1 track
Audio input	SCART: –6 dBm, more than 10 Kohm
Audio output	SCART: –6 dBm, less than 1 Kohm
Operating temperature	5°C to 35°C
Power requirements	200–230 V AC, 50 Hz
Power consumption	16 watts TYP 2.1 watts (power save mode, 230V AC)
Dimensions	360 (W) × 270 (D) × 94.5 (H) mm (14 1/4 × 10 3/4 × 3 3/4 in.)
Weight	Approx. 3.5 kg (7.7 lbs.)
Supplied accessories	Aerial lead (1) Batteries (R03/size AAA) (2) Remote control (1)

Design and specifications are subject to change without notice for the purpose of performance improvement.

This page will give you an overview of what the buttons on the front of your VCR do.

Front panel



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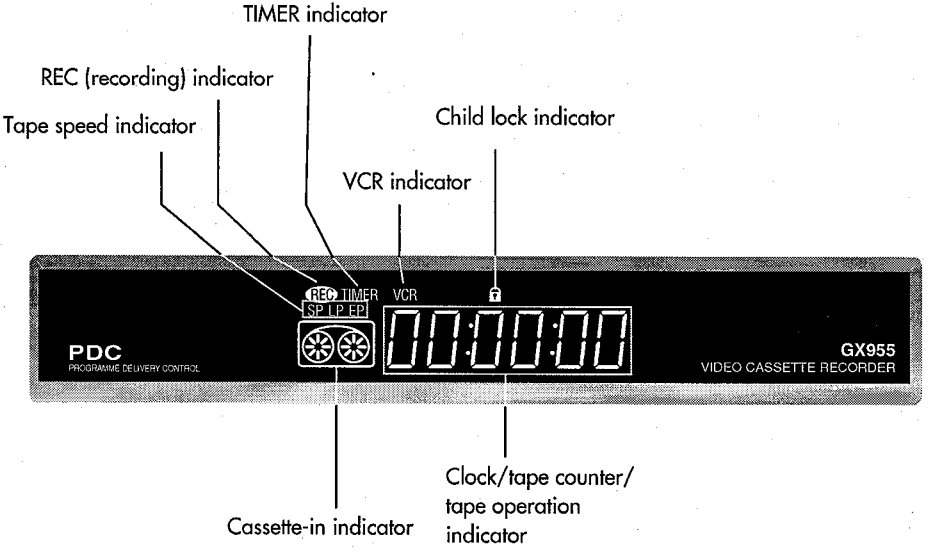
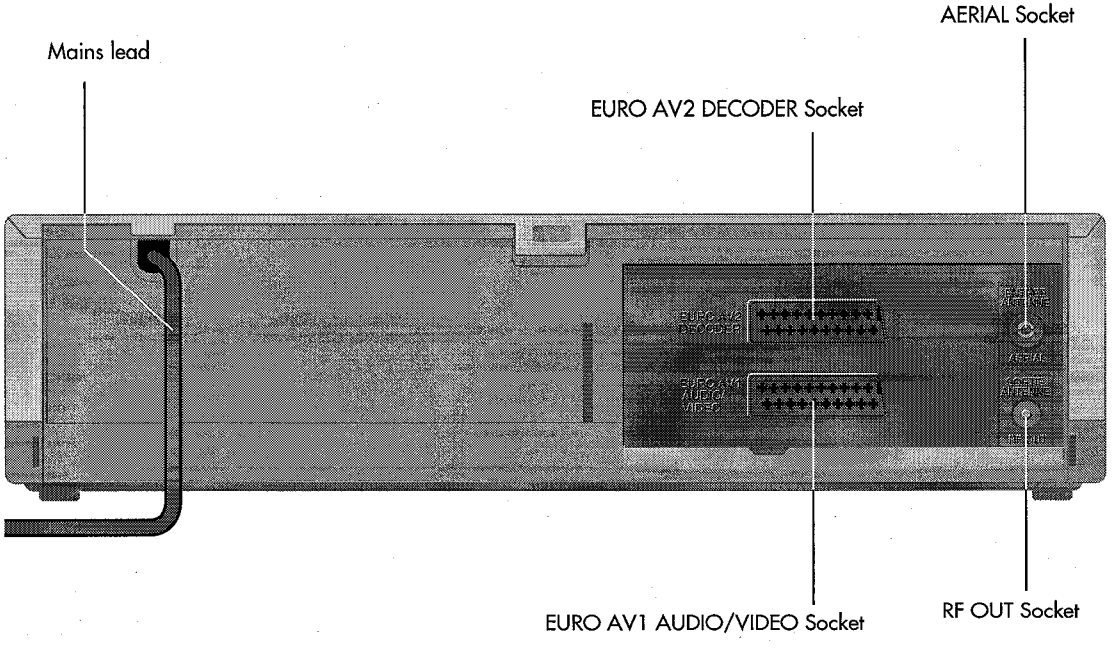
Get to know your VCR (continued)

Display window



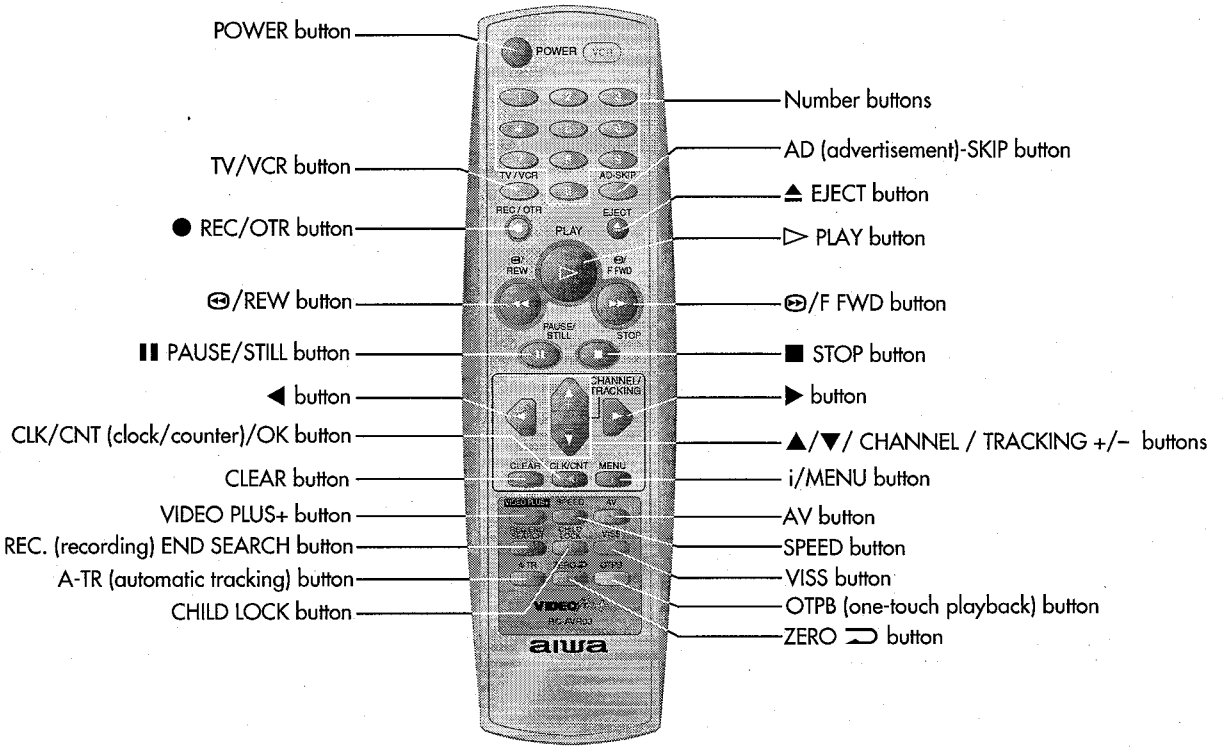
Rear panel



(continued)

Get to know your VCR (continued)

Remote control



aiwa

HV-GX955K

QUICK START GUIDE

This Quick Start Guide will help you correctly install and set-up your VCR.

Please read before installation

If this VCR has been moved from a cold place to a warm place, DO NOT plug it in for 2-3 hours

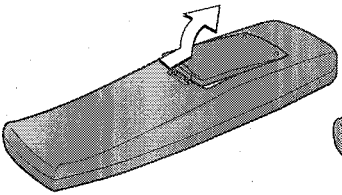
(e.g. from a cold car boot to a warm room).

There is a possibility that moisture may have condensed on the head drum of this VCR, this can cause damage to your VCR or any tapes played on it. To avoid damage please unpack your VCR and allow it to stand at room temperature for 2-3 hours before use. This will help any moisture evaporated and prevent unnecessary damage to your VCR.

1 Putting batteries into the Remote Control

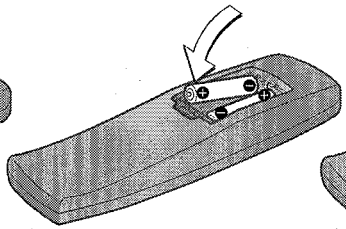
Follow the guidance on this page before you use the remote control.

A *Remove battery cover*



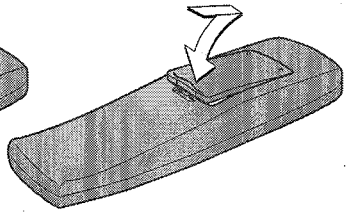
Carefully pull up and remove the battery cover.

B *Insert batteries*



Insert two AAA / R03 / UM-4 size batteries into the battery compartment.
Make sure they are inserted the correct way round.

C *Replace battery cover*



Attach the battery cover.

HELPLINE
Need help to install or operate your unit please call AIWA on:
0870-168-9000
All calls are charged at the national rate

If you have any problems setting up your VCR, call the AIWA Helpline.

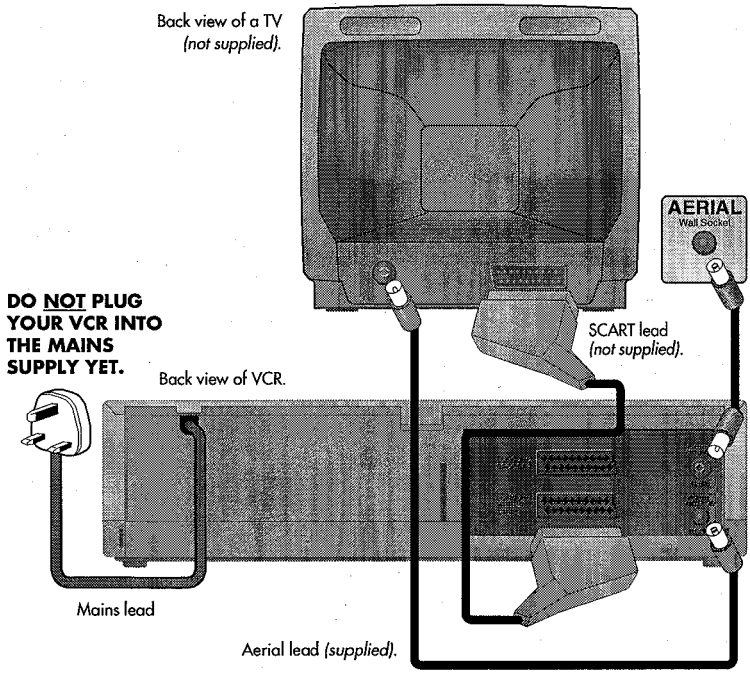
Our trained operators will be able to help you solve your problem.

Please call the Helpline before returning a product to a Store.

All calls are charged at the national rate.

2 Connecting your VCR to a TV using a SCART lead

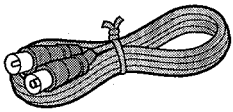
We recommend connecting your VCR to your TV using a SCART lead AND a normal aerial lead. If you connect using a SCART lead you will find it easier to set-up your VCR, you will also benefit from improved picture quality playback from your VCR. We recommend all connections must be made with both your VCR and TV unplugged from the mains supply.



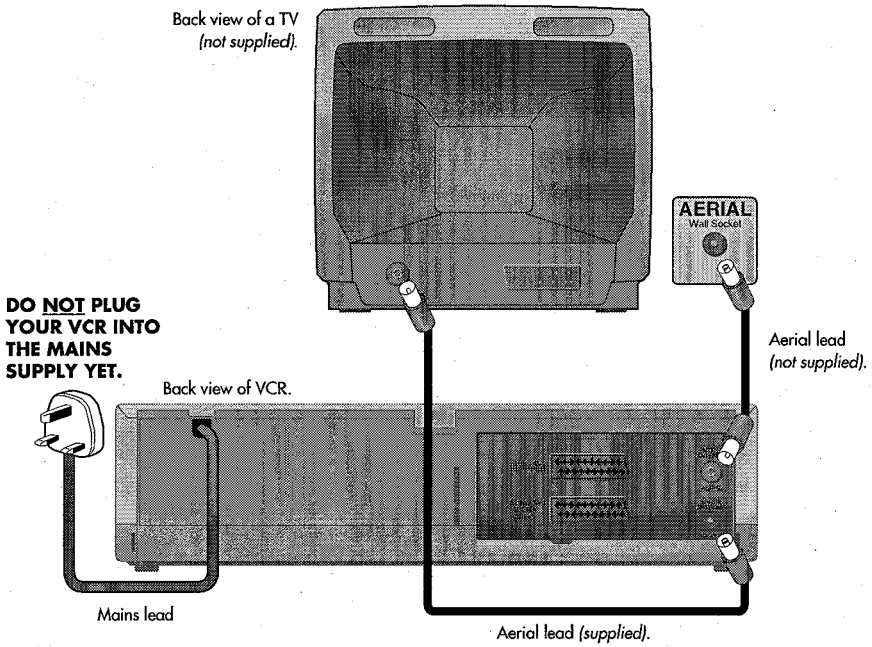
NOTE: If your TV has more than one SCART socket please refer to your TV's Instruction Book for information about which SCART socket to use.

If you are connecting a Satellite Receiver or Cable Box to your VCR turn to page 9 in the Instruction Book or refer to your Satellite Receiver or Cable Box Instruction Book.

3 Connecting your VCR to a TV using just an aerial lead



This page shows the most basic way to connect your VCR to your TV if you do not have a SCART lead or SCART socket on your TV. We recommend you connect your VCR to your TV using a SCART lead (see the previous page). We recommend all connections must be made with both your VCR and TV unplugged from the mains supply.



4 Automatic SET-UP

AIWA CO.,LTD.

8A-JF6-902-01
000112ATN-YX

MAKE SURE YOUR VCR IS FULLY INSTALLED. YOU MUST FOLLOW THE INSTRUCTIONS ON THESE PAGES CAREFULLY TO MAKE SURE YOUR VCR IS INSTALLED CORRECTLY. YOUR VCR WILL NOT FUNCTION PROPERLY UNTIL AUTO SET-UP HAS BEEN COMPLETED.

The AUTO SET-UP feature makes installing your VCR easy. It automatically searches and tunes all available TV Stations and stores them in the correct order in your VCR, it then sets the correct time and date.

Buttons to be used in the following steps

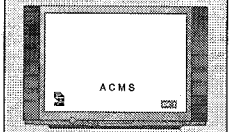
1 *Plug your VCR into a mains socket*

Make sure you have fully installed your VCR (see the other side of this guide) and that an aerial lead is connected from your household aerial or cable box (if you subscribe to a cable service).

Plug your VCR into a mains socket.

Press the POWER button on the remote control to turn on the VCR.

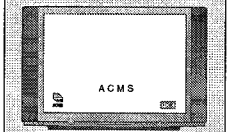
2a *If you connected your VCR to your TV with a SCART and aerial lead...*



Turn on your TV and set the TV to the channel called AV or AUX.

When you turn the VCR on for the first time after unpacking the VCR, the ACMS screen will appear.

2b *If you connected your VCR to your TV using just an aerial lead...*



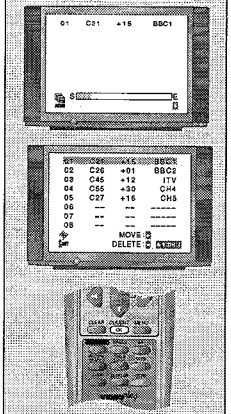
Turn on your TV and select an unused channel position on your TV to use as your VCR channel (for watching your VCR).

Tune in the channel you have selected on your TV until the blue screen appears clearly on your TV.

Consult your TV's Instruction Book for details about tuning your TV.

When you turn the VCR on for the first time after unpacking the VCR, the ACMS screen will appear.

3 *AUTO SET-UP*



Press OK.

Your VCR is now automatically tuning in all available TV stations and setting the correct time and date.

4 *AUTO SET-UP is complete*

Your VCR is now fully installed and ready for use. The current time will appear in the VCR display window.

Press i/MENU to remove the on screen display.

If you connected your VCR to your TV with a SCART and aerial lead, select the AV (or AUX) channel on your TV when you want to view your VCR. Some TVs will automatically switch to display your VCR when you switch it on and go back to a normal TV channel when the VCR is switched off.

If you connected your VCR to your TV using just an aerial, select the channel you chose as your VCR channel on your TV when you want to view your VCR. Select this TV channel every time you wish to use your VCR.